Suppliers Catalogue
Introduction

This catalogue gives an overview of the main industrial capabilities and the most recent product and process innovations from those companies in the supply chain of the Galician Automotive Industry.

Within the framework of the Third Strategic Plan for competitive improvement of the Galician Automotive Sector – P3CA 2025, the importance of promoting the component manufacturers and service companies in Galicia. This document – which will be constantly updated – reflects the existence of a network of companies in Galicia that already supply parts to many major vehicle manufacturers around the world.

The Galician Automotive Industry is one of the cornerstones of the Galician economy and has a highly internationalized component industry which exports more than 1,500 million euros each year to external markets. Moreover, more than 100 of the CEAGA companies already export its products or provide its services abroad.

With the support of the Xunta de Galicia (Galician Regional Government), the Galician Automotive Industry Business Cluster (CEAGA) was founded in 1997 by 37 automotive component manufacturers with the intention of developing joint development projects, aimed at increasing competitiveness.

In November 1996 the CEAGA Foundation was launched with the primary aim of "placing the Galician Automotive Sector in a position of competitive and sustainable leadership in Europe within Horizon 2025, contributing to progress and improved quality of life of Galicia".

Currently, CEAGA covers the entirety of Galician companies in the automotive sector: more than 130 supply companies, the PSA Group Center of Vigo and the Galician Automotive Technological Centre (CTAG).

Our cooperative model has been recognised for its excellence on various occasions. At a national level, it has been classified as “Excellent” by the Ministry for Industry, Energy and Tourism. Internationally, CEAGA has gained the “Gold Label” accreditation awarded by The European Secretariat for Cluster Analysis (ESCA) as one of the best-managed cluster organisations in the European Union. Furthermore, CEAGA was awarded the most prestigious international award in the field of excellence and training – the EFMD Excellence in Practice Awards 2013 – for the New Products Management and Development Programme.
Izmar Automotive
Kaleido, Ideas & Logistics
Láser Galicia, S.L.
Lear Corporation Pontevedra, S.L.U.
Lear European Holding, S.L.U.
Ledisson Automation & IT, S.L.
Lightbee Mobility, S.L.
Little Electric Car España, S.L.
Lupeon, S.L.
Magna Seating Vigo, S.A.U.
Maier Ferroplast, Sociedade Cooperativa Galega
Mantenimientos Industriales Sulcer, S.L.
Marsan Transformaciones Superficiales, S.L.
Matricería Galega, S.L. (Matrigalsa)
Maviva, S.A.
MCSyncro Vigo, S.A.
Mecanizados Atlántida, S.L.
Mecanizados Castro Galicia, S.L.
Mecanizados Rodríguez Fernández, S.L. (MRF)
Megatech Industries Orense, S.L.
Meycatec, S.L.
Movele Mobility, S.L.
Muutech Monitoring Solutions, S.L.
Netun Solutions, S.L.
Nitropipes Lda Est Permanente
Norlean Manufacturing & Productitivity, S.L.
Optare 5G, S.L.
Otebra, S.L.
Pirelo, S.L.
Plastic Omnium Auto Inergy Spain, S.A.
Plastic Omnium Equipamientos Exteriores, S.A.
Precisgal Componentes Automoción, S.L.
Precisgal Utillaje, S.L.
Probotec Procesos Industriales, S.L.
Recuperadora Gallega de Disolventes, S.L.
Roboting Automation and Programming, S.L.
Ruher Ingenieros, S.L.
Situm Technologies, S.L.
SMRC Automotive Interiors Spain, S.L.
Snop Estampación, S.A.
Stockages Vigo, S.L.
Taller Covi, S.L.
TB Spain Injection, S.L. (TBSI)
Tecdisma, S.L.
Tecnicartón, S.L.
TI Fluid Systems
Trans Pereiras, S.L.
Transportes Aníbal Blanco, S.L.
Trèves Galicia, S.L.U.
Unimate Robótica, S.L.
Utilvigo, S.L.
Utingal, S.L.
Valver, S.L.
Vigotec, S.L.
W.R. Freiría, S.L.
Xoia Extending Reality
ZF - Active & Passive Safety Technology Division / Occupant Safety Systems
**AC Systems Atlantic, S.L.U.**

<table>
<thead>
<tr>
<th>Turnover</th>
<th>Employees</th>
<th>Sales information</th>
</tr>
</thead>
<tbody>
<tr>
<td>★★★★☆</td>
<td>★★★☆☆</td>
<td>Auxiliary value chain</td>
</tr>
</tbody>
</table>

1 Less than € 1,500,000 - 2 Between 21 and 100 employees

### Company description
This company, created in 2009, offers industrial subcontracting services in the manufacturing processes by machining, stamping, assembly and cutting. It has a dynamic and flexible production center of the serial elements, which allows its customers to optimize their production processes.

### Products and services
#### Auxiliary services
- Process outsourcing

Ac Systems Atlantic is a supplier company of automotive companies and manufacturers of capital goods.

### Processes and technologies
- Assembly
- Joining processes
- Metal shaping

Development of tools and process improvement. It also carries out cutting and machining processes.

### Main customers
Matrigalsa, Matrivigo, Europrecis, Industrias Abalde, Izmar, etc.
**Adhex Tech Tapes, S.L.**

**Company description**
Adhex Tech Tapes, established in 2001, is a wholly owned subsidiary of Adhex Technologies. This company is involved with the manufacture of adhesive and protection solutions (water-tightness, acoustic, thermal and surface) for the automotive industry (OEMs and Tier1). The company currently has the ISO/TS 16949 certificate for quality management in the automotive industry and the ISO 14001 one for environmental management. Furthermore, the production plant in Porriño is recognised as a Q1 supplier by Ford and of Level 1 by the VW Group. In the coming years they will strive to achieve the OSHAS 18001 certification as well as the recognition of their activity in a sustainable and social responsibility environment. The site has 4,880 m² of covered surface and 2,000 m² of open ground.

**Products and services**
This company manufactures and sells products and adhesives for vehicles, classified in accordance with the following structure:

1. **PROTECTION**: against water or water-tightness function (watershields, foam and film shutters); acoustic (door panels, wheel arches, lower engine covers, boot interiors, roofs and instrument panels, in PU foams, PET fibre, PP fibre and felts); thermal (air conditioning system insulation, in PET and PP fibres and PU foams); surfaces (under-seats, bodywork bump protection -bumpers, anti-graveling protection and multi-material anti-corrosion in PE foams, PU film, aluminium and zinc).

2. **IDENTIFICATION | REGULATIONS**: all types of labels for vehicle interiors and exteriors (sun-visor, chassis, wheels).

3. **DECORATION**: decorative adhesives for stripping, in resin, black PVC (door pillars).

4. **ADHESION**: technical adhesives used as a complement to the groups above and for direct sale.

**Processes and technologies**
- Other technologies
- Plastic shaping
- Textile shaping

Thermoforming; automated adhesive application (hotmelt, butyl rubber); die-cutting; adhesive transfer with corona treatment station (which improves adherence); adhesive cutting machines.

**Main customers**
Stellantis, Ford, Renault, VW, Audi, Seat, Mercedes-Benz, Nissan, etc.
Advanced Comfort Systems Ibérica, S.L.U.

<table>
<thead>
<tr>
<th>Turnover ¹</th>
<th>Employees ²</th>
</tr>
</thead>
<tbody>
<tr>
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<td>👟👥_console</td>
</tr>
</tbody>
</table>

**Main value chain Tier 1**

From € 18,000,000 · Between 21 and 100 employees

**Company description**

ACS Ibérica is part of CIE Automotive, an industrial group with global footprint, specialised in high added value processes in areas such as forging, aluminium injection, casting, machining, stamping, plastics and roof systems. It is this last area where the main activity of ACS Ibérica is framed, offering other products related with the vehicle interior comfort too.

**Products and services**

Module or function
- Door module
- Roof

Roofs; Sun visors; Side Window Sun Shades; Windstoppers; Luggage covers; Door reinforcements; Interior galleries

**Processes and technologies**

Assembly
- Joining processes

Glass encapsulation; robotic gluing; Aluminium machining; MIG-MAG and ultrasonic welding; Assembling; Acoustic control.

**Main customers**

Stellantis, Renault, Volkswagen, SMRC Automotive Interiors Spain, etc.

**Contact**

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Phone: 988 608 086
Fax: 988 608 101

**Web / Email**
http://www.group-acs.com
Akwel Vigo Spain, S.L.U.

Company description
The company was set up in Vigo in 1962, supplying at that moment, plastic and metal parts to the automotive sector and other industries, although nowadays is just focused on plastic transformation. At its development centre in Vigo they develop, for the whole Group, new projects and products in the area of opening mechanisms. They make substantial investments in technological innovation, equipment as well as improvement of the Vigo plant industrial machinery. The quality policy is part of the company’s culture. They continually strive for excellence, as a result of the dynamism and involvement of their workforce. Committed to innovation, quality and service, the company ensures an effective response to its customers needs around the world.

Products and services

<table>
<thead>
<tr>
<th>Module or function</th>
<th>The development centre of the Akwel Group is located in Vigo and is involved with the manufacture of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boot</td>
<td>- Mechanisms: bonnet lock, boot lock, double rear door closing mechanism, sliding door lock and sun roof closing system.</td>
</tr>
<tr>
<td>Door handle</td>
<td>- Door handles: door handles for the exterior and interior of side doors, sliding side doors, boot lids, tailgate doors, double rear doors and window opening handles.</td>
</tr>
<tr>
<td>Engine electronics</td>
<td>- Urea tanks to reduce emissions (SCR)</td>
</tr>
<tr>
<td>Exhaust and manifold</td>
<td>- Engine plastic components and battery box</td>
</tr>
<tr>
<td>Exterior elements</td>
<td></td>
</tr>
</tbody>
</table>

Processes and technologies

<table>
<thead>
<tr>
<th>Assembly</th>
<th>- Plastic injection (mainly polyamides and ABS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joining processes</td>
<td>- Plastic blowing</td>
</tr>
<tr>
<td>Other technologies</td>
<td>- Parts assembling</td>
</tr>
<tr>
<td>Plastic shaping</td>
<td>- Ultrasonic welding</td>
</tr>
<tr>
<td></td>
<td>- Hot plate welding</td>
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<tr>
<td></td>
<td>- Thermal insertion tools</td>
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<tr>
<td></td>
<td>- Water tightness control</td>
</tr>
<tr>
<td></td>
<td>- Robotics and automation integration</td>
</tr>
</tbody>
</table>

Main customers
Renault, Stellantis, Ford, General Motors, Toyota, Opel, Seat, Dacia, Nissan.
Company description

Alservi was founded in the early nineties to provide automotive component manufacturers close proximity support and fast response in both their clients’ assembly plants and at any point in the supply chain. This company, part of the Maviva Group, guarantees the overall quality of all components that pass through their premises, thanks to their selection and parts recovery controls, ensuring traceability via automated data capture. Furthermore, they develop and conduct in-house assembly and parts prioritization, creating added value for their customers. These help improve the reliability of the final product quality and provide an important competitive advantage, particularly regarding transport optimization.

Products and services

Auxiliary services

Die-stamping and tools
Diverse
Engineering
Logistics and transport

Alservi closely supports its clients in the assembly plants of major manufacturers, with rapid response times to mitigate potential quality problems. The company offers pre-assembly, quality control and outfitting services; this allow their clients to guarantee the packaging required for their deliveries and also allows large manufacturers to optimize space on their assembly line. They also develop the machinery and prototypes necessary to carry out these processes.

Processes and technologies

Assembly
Joining processes
Surface treatments and finishes

Alservi provides its customers with resident technicians who monitor potential complaints from the assembly line, establish criteria and provide palliative solutions via quality firewalls, selection and parts replacement. They also have an IT department which develops tailor-made solutions for their clients, guaranteeing the process traceability and security. These developments enable the company to produce real-time reports, allowing clients to understand the situation and to make the pertinent decisions. Other tools used include: e-catalogue, Amadeus system, etc.

Main customers

Stellantis, Saint-Gobain, Grupo Antolín, MCSyncro, Yazaki, Valeo, Pilkington, Delphi, Visteon, Constellium.

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maviva@maviva.es
Company description
Aludec was founded in 1984 and is dedicated to the manufacture of decorative parts for the automotive industry. It is based on an interchange of various technologies to offer a diverse and wide range of original and innovative products that can be prepared in various finishes. Aludec has a R&D centre that is directly in contact with the design departments of constructors to capture market trends and develop appropriate solutions. Located in Galicia, Aludec works with all the constructors and delivers parts around the world; among other things, they are one of the world’s leading manufacturers of badges and monograms.

Products and services
Module or function
- Boot
- Cockpit
- Door module
- Driving position
- Exterior elements
- Front End
- Ground contact system

- Boot: the parts are designed and developed by Aludec to integrate with the aesthetics of the vehicle.
- Cockpit: design is focused on providing a modern and functional environment for the driver.
- Door module: the design is focused on providing a modern and functional environment for the driver.
- Driving position: the design is focused on providing a modern and functional environment for the driver.
- Exterior elements: the design is focused on providing a modern and functional environment for the driver.
- Front End: the design is focused on providing a modern and functional environment for the driver.
- Ground contact system: the design is focused on providing a modern and functional environment for the driver.

Processes and technologies
- Assembly
- Metal shaping
- Plastic shaping
- Surface treatments and finishes

Aludec has various in-house technologies: stamping and embossing aluminium or stainless steel; screen-printing in whiteroom of various films (PVC, ABS, PC and aluminium); painting; cutting and machining of various materials; injection moulding. The company has machinery ranging from 80t to 650t and IMD specific machinery (in-mould decoration); HP thermoforming; tampography; chrome plating of plastic pieces (micro-porous, micro-brushed, Chrome III).

Main customers
Ford, GM, VW Group, Stellantis, BMW, Mercedes, Porsche, Rolls-Royce, Fiat, RNA/Nissan, Toyota, Faurecia, Delphi.
Ancora Mobile, S.L.

Company description
Ancora adapts the digital transformation of Industry 4.0 to the human factor. Through its own technology, it enhances people’s capacities so that they can better perform their work and be the main source of competitiveness in the industry.

Products and services
Auxiliary services
  Diverse
  Engineering

Ancora provides a digitalization solution for manufacturing operations. Through a virtual exoskeleton, which consists of a suite of mobile applications, it connects workers in real time with the digital ecosystem of the smart factory to provide them with digital aids that enhance their competitiveness, performance and autonomy within the plant production.

Ancora Worker Connect focuses on providing a continuous connection between the worker and the planning and management systems, facilitating access to the digital information they need at all times and capturing data unattended throughout the manufacturing process. Ancora Worker Assist complements Worker Connect, providing additional digital aids.

Processes and technologies
Other technologies
Ancora is a technology company that offers a connected and assisted worker software solution. These technological capabilities are of the first level in various fields, which makes Ancora a potential technological partner in matters related to the use of mobile technologies in industry: this is the case of 5G technology, the use of smartphones in the industrial context, the customization of the Android operating system or various wireless technologies such as WiFi, Bluetooth or NFC. Ancora is also an expert in industry-oriented usability design, combining mobile devices, touch screens and voice to facilitate the relationship between the worker and digital systems in the factory.

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hello@ancoramobile.com
Aníbal Metalmecánica Gallega, S.L.

**Company description**

Aníbal Metalmecánica Gallega (AMG) is a young, dynamic company with highly skilled personnel. They specialise in the cutting, machining and shaping of steel and aluminium piping for the automotive industry. The company has incorporated the logistics experience of the Aníbal Blanco Group, allowing them to perform collection services and JIT deliveries, purchase of raw materials and packaging, and warehousing and storage of materials on consignment.

**Products and services**

**Module or function**

- Brakes and steering
- Engine
- Engine compartment
- Exhaust and manifold
- Filler pipe
- Raw materials
- Seats

**Auxiliary services**

- Process outsourcing

**Processes and technologies**

- Assembly
- Metal shaping

Cutting, de-burring, machining and shaping of tubes. Most used materials: Various carbon steel alloys (St 37, St52, SAE 8617, etc.), stainless steel (Aisi 304, 316, etc.) and aluminium (3003, 6063, etc.).

Cutting and de-burring tubes: Adige TS72, Pedrazzoli SCL 102 and HDC 650 (4 heads).

Cutting and machining tubes: 3 Adige CM502 machines; 2 of which can machine tube ends in 3-axes (threading, etc.).

Shaping of tubing for manufacture of framework.

**Main customers**

Borgwarner Emission Systems, GKN Driveline, Inoxidables de Rábade, Sapa Extrusión, Schoeller, Ati, Borgwarner Dixon (USA), etc.
Antobal, S.L.

Company description
Antobal S.L. is a company with experience and training in the development and manufacture of machining tools and dies for stamping, cutting and machining sheet metal for various industries as well as manufacturing parts for metalworking. Their premises cover an area of 550 m² of which 500 m² are covered.

Products and services
Auxiliary services

Die-stamping and tools

Antobal specializes in the development, design and manufacture of tools for machining parts and dies for stamping, and cutting sheet metal.

Processes and technologies

Metal shaping

Other technologies

The company specializes in the design and manufacture of tools for shaping parts, dies, electrical welding, machined and shaping nautical parts and accessories.

Main customers
Lear Corporation, Dalphimetal, TI Group, Aluporta, Valiant, Dayco Ensa, Supra Ind. Textil, Plymouth, Rubber Europa, Viza Automoción, Benteler Automotive Vigo, Marsan and Maier.

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Fax: 986 607 067

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info@antobalmecanizados.com
Company description

Company dedicated to engineering in the field of Industry 4.0.

- Development of a complete and patented Augmented, Virtual and Extended Reality (AR, VR, XR) device for quality control, maintenance and training with integrated hardware and software (Vax3D).
- Development of complete logistics solutions with implementation of autonomous ARM with modular multiprocessor.
- Development of a platform for the virtualization of machines with complete remote interaction and 'machine learning' for their adjustment and / or maintenance.

Products and services

- All-in-one AR / VR / XR device (Vax3D) with a totally versatile and universal world patent for quality control, maintenance and training. The device uses the smartphone as an image projector and in addition to the pre-programmed software it has sensorization hardware for biocontrol, hand-tracking, eye-tracking, voicecontrol, etc.
- Universal and autonomous drone controlled by the Vax3D device to assist companies in inspection, measurement, safety and interaction tasks.
- Modular platform to host, analyze and interact with any 4.0 machine allowing complete interaction, KPI control, self-adjustments and machine learning.

Auxiliary services

- Automation and robotics
- Diverse engineering
- Logistics and transport
- Maintenance and services

- Extended reality for training.
- Extended reality for maintenance.
- Extended reality for quality control.
- Machine virtualization including digital twin, 'machine learning', and so on.
- Universal drone for maintenance or inspections in plants or outdoors.
- Complete scalable internal logistics system with universal AGV / ARM that adds different lifting platforms for all internal plant logistics.

Processes and technologies

- Assembly
- Metal shaping
- Other technologies
- Plastic shaping

Engineering company with a plant specialized in the design and manufacture of 4.0 machines. The company is licensed by Catia, Solidworks and two professional Solidedge packages. It also has an electronic laboratory for equipment assembly and measurement. Within the Meifus group, the company has a materials supply warehouse, a machining workshop, an industrial computing section and an IATF serial manufacturing plant for metallic elements for the automotive sector.

Main customers

TI Automotive, Adhex Technologies, Lear Corporation.
Asea Brown Boveri, S.A. (ABB)

Company description
ABB is a leading supplier of industrial robots, modular manufacturing systems and services. A strong solutions focus helps manufacturers to improve their productivity, product quality and worker safety. ABB has installed more than 300,000 robots worldwide.

Products and services

Auxiliary services
- Automation and robotics
- Machinery and small integrated lines
- Maintenance and services

Products: Industrial and collaborative robots; Functional packages (arc/resistance welding, deep drawing, sealing and painting); Modular solutions (arc/resistance welding and painting); “Connect & produce” solutions (arc/resistance welding cells, dimensional inspection, etc.)

Services: Maintenance and spare parts management; After-sale services; Training (specific programmes on robotic process automation); Simulation of process automation and robotics (real cells or 3D); Engineering support to robotic solutions based on robots; Installation and implementation of robotic solutions; Improvement of facilities.

Processes and technologies
- Assembly
- Electrical material
- Joining processes
- Metal shaping
- Other technologies
- Plastic shaping
- Surface treatments and finishes
- Wood processing

Provision of packed robots; Functional packages; “Connect & produce” cells. We can carry out testing, both in 3D simulation and with real cells, for auto parts production processes.

Main customers
Augusto Logística, S.L.

Company description
Augusto Expres founded the company in 1990 as a national and international haulage company. The company has continued to grow in response to the needs of its clients and is now an international transport and logistics operator. They deal with the collection of raw materials, storage of these and Just in Time deliveries to their clients, whilst also collecting and distributing finished goods to the end user. All these activities are on a Europe-wide scale. The company has the following quality certificates: ISO 9001:2008 and 14001:2004.

Products and services
Auxiliary services
   Diverse
   Logistics and transport

The company has a range of articulated lorries, mega-trailers, trucks and vans. Make national and international deliveries of goods in full or joint cargo trucks. Direct service between factories with goods tracking at all times. They can offer warehousing of goods, repacking, relabeling, stock control, quality control, order preparation.

Processes and technologies
Other technologies

Main customers
Akwel Vigo Spain, S.L.U, Adhex Tech Tapes, S.L, Drogas Vigo, S.L, Maier Ferroplast, Sociedade Cooperativa Galega, Pirelo, S.L, Snop Estampación, S.A.

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Autoneum Spain, S.A.U.

Company description
Autoneum is a global technology leader in acoustic and thermal vehicle solutions management. With over 45 plants in 26 countries and more than 9,600 employees, the company is a partner with major vehicle manufacturers around the globe. Autoneum supplies innovative, affordable solutions for noise reduction and thermal control utilising low-weight products which in turn increases the comfort and value of the vehicle whilst also reducing CO2 emissions.

Products and services
Module or function
- Boot
- Cockpit
- Engine compartment
- Floor coating
- Ground contact system
- Underbody and engine insulation: providing a protective thermal barrier between heat sources and the bodywork or other heat-sensitive parts with the possibility of installing air conduits, reducing the interior and exterior noise levels.
- Textile Wheel Arches: with the functionality of reducing interior and exterior noise caused by the tyres rolling and splashing as well as protecting the bodywork.
- Inner dashes: used to absorb and insulate against noise, providing a good fit to the vehicle body. Also absorb impact energy in case of collision.
- Insulating flooring: designed with latest touch technology, aesthetic parts which are abrasion, puncture and wear resistant. Easy to clean and hard-wearing. Furthermore, they provide acoustic insulation and absorption and also absorb impact energy in case of collision.

Processes and technologies
Joining processes
- Plastic shaping
- Textile shaping

Autoneum Spain offers various product lines and utilises the following technology:
- Hot moulding and cutting presses.
- Polyurethane foam injection presses including one-shot method.
- Waterjet cutting system robots.
- Automated hot-cold moulding lines.
- High frequency, vibration and ultrasound welding.
- Fibre injection moulding and cutting lines.
- Woodstock compression moulding presses.

Main customers
Stellantis (Vigo, Manguande and Villaverde Centers), Renault Palencia, etc.
Company description
Benteler is a multinational company, originally from Germany, currently working all around the world with more than 28,000 employees and 130 locations in 38 countries. Under the strategic holding company "Benteler International AG", the business operations are divided into three legally independent business divisions. The largest division is in the automotive industry, representing more than 75% of Group turnover. It is dedicated to the development and production of innovative safety, environmental and light construction products. Benteler Automotive is a full service provider for almost all automotive manufacturers worldwide and provides customer-oriented solutions for a wide range of products; of particular importance are the chassis and modules, structures and the engines and exhaust systems groups. Benteler Vigo is a factory which mainly produces chassis and structures.

Products and services
<table>
<thead>
<tr>
<th>Module or function</th>
<th>Front axles, rear axles, suspension arms, hot-stamped parts (low-thickness with high resistance), aluminium parts.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cockpit</td>
<td></td>
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<tr>
<td>Driving position</td>
<td></td>
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<tr>
<td>Front End</td>
<td></td>
</tr>
<tr>
<td>Ground contact system</td>
<td></td>
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<tr>
<td>Rear end</td>
<td></td>
</tr>
</tbody>
</table>

Processes and technologies
The main processes utilised at the Benteler Vigo factory are cold-stamping, hot-stamping, MIG-MAG resistance welding, electrophoretic painting, 3D laser cutting, shot peening and assembly. Within the welding, aluminium products are included. In the hot-stamping variable thickness parts are included. Benteler Vigo has the following means of production: 2 Transfer presses (2,000 and 3,600 t); 2 hot-stamping lines; 2 3D laser cutting machines; 6 automated welding lines with 172 robots; 1 electrophoretic painting line; 2 resistance welding machines.

Main customers
Stellantis, General Motors, Volkswagen, Fiat.
Bibus Spain, S.L.U.

Company description
Industrial components distribution company, active in the following areas: hydraulics, pneumatics, mechatronics and environment. As well as distribution, the company works on the design, construction, commissioning and maintenance of equipment related to their activity. They also specialize in the design and construction of refrigeration panels for welding guns. They supplied the Stellantis Vigo plant for the launch of the B78, among other things.

Products and services

Auxiliary services
- Engineering
- Machinery and small integrated lines
- Maintenance and services

Technical description of the service design, construction, set up and maintenance of:
- Hydraulics, oleo-hydraulics and pneumatics, tailor-made according to the needs of the client.
- Low consumption “ECO” hydraulics groups.

Processes and technologies

Other technologies
Since the company started working in Spain in February 2009, Bibus Spain has worked in the development of machinery and subsystems for OEMs with integrated hydraulics, pneumatics, mechatronics and environment technologies. Among the machinery manufactured by Bibus, the following are highlighted: oleo-hydraulic machinery and controllers, lubrication and oil recirculation machinery, pumping machinery for a variety of fluids, fluid dosing systems, pneumatic control and power machinery, vacuum machinery, refrigeration panels for welding guns, etc.

Main customers
Stellantis, GKN, Bühler, Maxam, etc.
Borgwarner Emissions Systems Spain, S.L.

Company description
The company started its activity in 1967 with the development and manufacture of automotive parts. In 2001 it became part of the Italian multinational Dytech, as part of its Fluid Technologies Division. It kept the Dytech Ensa name until 2010 when it became part of the BorgWarner Group.

Products and services
Module or function
- Engine
- Filler pipe
This company manufactures: EGR modules, EGR coolers and tubing, fuel rails, fuel injectors and carbon steel and stainless steel parts.

Processes and technologies
- Assembly
- Joining processes
- Metal shaping
The company has numerous production plants including, by way of example: ends shaping machinery, CNC bending machines, specialist machinery, stainless steel furnaces, TIG welding robots, leak control equipment, bellows manufacturing facilities (Hydroforming), automatic production lines, MIG welding, etc.

Main customers
Renault-Nissan, Ford, Volkswagen, General Motors (Opel/Saab), Suzuki, Iveco, Daimler Chrysler, Stellantis.

Contact
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Web / Email
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Bosch Rexroth, S.L.

Company description
Bosch Rexroth is a global supplier of products for the construction of machinery and installations, offering solutions in all relevant technologies for control, operation and movement (hydraulics, electric controls and drives, linear and assembly technology as well as pneumatics).

Products and services
Auxiliary services
- Automation and robotics
- Engineering
- Machinery and small integrated lines
- Maintenance and services
The company works in turnkey industrial automation projects including architecture design, electronics studies, programming, testing and production assistance until its total availability. Technical consulting services for the client during the entire life cycle of the installations, providing repair, maintenance and specific training.

Processes and technologies
Other technologies
Application of the "Lean Manufacturing" concept with their MPS (Manual Production System), providing clients with an integrated design for their entire plant.

Main customers
70% of their production is addressed to the Galician automotive industry.

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Company description
They form part of the Cablerías Group; Cablerías Auto works in the development, manufacture and marketing of cables and wiring for electrical and electronic networks for the industrial and transport sectors: automotive, aeronautic, rail, military and naval.

Products and services
Module or function
Electrical wiring
-Products supplied at Tier 1: Safety cables (illumination, abs, airbags), communication cables (aerials, GPS), comfort cables (parktronic, air conditioning), prototypes and spare parts, electronic components.
-Products supplied to vehicle makers: battery cables, small-run and specialized cable packages, electronic components.
Some of the company’s noteworthy product innovations include: CCA & FFC cables, IEPS / ANYWIRE, cables for electric / hybrid vehicles and aluminium battery cables.

Processes and technologies
Assembly
Electrical material
Joining processes
Plastic shaping
Cablerías Auto utilises the following production technologies: Ultrasound terminal welding; ultrasound welding of cable joints; mechanical crimping; hot-melt sealed overmolding; PVC overmolding; wire harness assembly and accessories; electrical and geometric verification; seal verification; PCB soldering; soldering of wires and terminals, automatic seal positioning; cutting, stripping and processing of coaxial cables; automatic cutting, stripping and torsioning.

Main customers
ZF TRW, Magna, Akwell Vigo Spain, Plastic Omnium, Caetano Group, Faurecia, Lear seating, Urovesa, Grupo Antolin, Volkswagen, Valeo Novares, SMRC Automotive Interiors Spain, ACS.
Company description
Carrocerías Dafer S.A. was founded in 1973 and specializes in the manufacture of refrigerated van bodywork and isothermal cladding. It specializes in providing products, services and quality solutions for all companies, brokers and independent traders dedicated to transportation and storage of perishable goods. With over 40 years’ experience in the industry, they provide services to the most prestigious companies in Spain and abroad, tailored to the needs of its customers. The company has developed a proprietary technology based on the use of resins and insulating materials for the manufacture of Dafer isothermal panels. These panels provide greater watertightness, insulation, strength and longevity for all products.

Products and services

Auxiliary services
Diverse

Manufacture of certified refrigeration boxes of various dimensions, adapted for all makes and chassis models (Mercedes, Renault, Nissan, Opel, Iveco, Volkswagen, Ford, Citroën, Peugeot and Fiat).
- Manufacture of certified insulated liners for different models of vehicle constructors: Mercedes, Renault, Nissan, Opel, Iveco, Volkswagen, Ford, Citroën, Peugeot and Fiat.
- Installation of refrigeration equipment and lifting platforms in different bodyworks.
- Manufacture of exclusively designed FRP components in accordance with the needs of their clients.

Processes and technologies

Other technologies
- Manufacture of sandwich panels
- Fibreglass reinforced polyester (FRP)
- Insulation
- Moulds
- 15 x 3 m vacuum presses
- 15 x 3 m pantograph for cutting and routing

Main customers
Carriers, distributors and authorised dealers.
Centro Tecnológico de Grupo Copo, S.L.

Company description
CETEC (Copo Group Technology Centre) works in R&D (both processes and products), technological surveillance and the manufacture of moulds, machinery and plant as required by the Group. One of its main tasks is to search for new formulations with new raw materials for the continuous improvement of comfort in vehicle seating. They work closely with their clients’ engineering departments. They also contribute to the production and realization of developments in the various products across the four divisions of the Group. They are currently undertaking a development project in which they are producing the foam and EPPs and the covers, as well as the assembly of the complete seat unit.

Products and services
Module or function
Seats
Short production runs of any type of foam filling, including technical foams for acoustic and / or thermal insulation. Latest innovations in seating foams: TECHNOFLEX, notably increases comfort, even in thinner sections; INALCO, a foam which is incorporated into the cover, eliminating the need for bonding between the filler and the fabric, improving comfort and providing an economic improvement.

Auxiliary services
- Manufacture of moulded foam moulds for the various technologies (cold and hot foam and INALCO), EPP / EPS moulds, machinery for fatigue testing, control and / or poka-yokes.
- Technological assistance in the moulding processes both in development of lines and to find improvement solutions.
  Example: rigidification study of metal structures using foam injection, allowing the reduction of the thickness of metal used, reducing metal consumption and final weight whilst maintaining rigidity and performance. Furthermore, the company possesses various routing stations. These are used in the production of moulds as well as for making shaped foam prototypes for internal use and external clients.

Processes and technologies
Other technologies
Improvements in the foam filler manufacturing processes for vehicle seats by using innovative chemical formulations. Research and development of new production processes based on the strategic lines of OEMs (weight and cost reduction, improvements in comfort). Mechanized lines for the production of tools and prototype parts. Prototype factory for foam moulding.

Main customers
Copo Group.
CIE Galfor, S.A.

Company description
CIE Galfor is a company belonging to the CIE Automotive multinational Group. This plant is specialized in the manufacture of forged steel parts for the automotive sector. It was first established in 1966 as Barreiros Orense, S.A. and in 1980 it changed its name to Forjas de Galicia. In 1998 it became part of the GSB Group with the name GSB Galfor S.A. In 2002, the merger of the GSB and Corporación Industrial Egaña Groups, resulted in the creation of the CIE Automotive Group.
CIE Galfor has just one production plant located at the San Cibrao das Viñas Industrial Park, in Ourense. They have a total surface of 66,200 m2, of which 25,000 m2 are built-up. Their mission is to be leaders in their market - the manufacture of forged steel parts - certifying the highest standards of quality.

Products and services

Module or function
Engine
Ground contact system
Transmission

The company is involved in the forging and machining of steel parts for the automotive industry, mainly producing crankshafts, front axles, axle shafts, suspension elements, spindles and hubs. In terms of product innovation, CIE Galfor – with the assistance of the R&D & innovation department – is currently researching the use of alternative materials with improved characteristics.

Processes and technologies

Metal shaping
Surface treatments and finishes

CIE Galfor has the following processes: hot steel forging through stamping, electro-upsetting and extrusion, including thermal treatments, finishing and machining.
Additionally, it has the following means of production, conceived as one-piece-flow:
- 5 fully automatic vertical presses lines (4,000 – 6,300t) for the specific manufacture of crankshafts.
- 3 counterblow hammers (200-320 kJ) mainly used for the forging of truck axles.
- 2 hydraulic presses (630 – 650t) for the manufacture of spindles and hubs, one of them automated.
- 4 electro-upsetters in line with friction press, for the manufacture of driveshafts (automatic handling and monitoring).
- It also has a fully equipped lab with all the machinery required for quality control: 3-dimensional machines, 3D scanner, durometers, metallographic microscope, magnaflux and ultrasounds, among others.
With regards to process innovation we can stand out: the continuous development of applications for high speed milling machining programmes; the development of a complex closed volume forging system to minimize scrap; researching on steel and treatments to increase tool life.

Main customers
Audi – VW, Renault, Daimler, GM, Opel, BMW, Jaguar, Ford, Fiat, Hyundai-KIA, DAF, Dana, Iveco
Componentes de Vehículos de Galicia, S.A.

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<th>Turnover</th>
<th>Employees</th>
<th>Sales information</th>
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<td>★★★☆☆</td>
<td>Main value chain Tier 1</td>
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1 Between 6,000,000 and € 17,999,999 - 2 Between 21 and 100 employees

Company description

The company started its activity in 1990, manufacturing vehicle thermoformed carpets. Componentes de Vehículos de Galicia, S.A. develops and industrialises interior trim projects such as interior carpets, wheel arches, parcel trays or thermal shields. It is 50% co-owned by the Copo and Faurecia groups. 100% of its production is sent to car manufacturers, mainly to Stellantis, Nissan and Mitsubishi.

Products and services

Module or function
- Boot
- Engine compartment
- Floor coating

- Carpets and textile carpet trims (polyester fibres) with heavy layer thermoformed, PU foam, plastic parts and acoustic absorbers, etc.
- Thermoplastic olefin (TPO) washable mats and mats for trunk floor, with PU foam.
- Textile carpet parcel trays with composite core in fibreglass, plastic fibres and honeycomb cardboard.
- Flat or thermoformed cotton fibre felt soundproofing parts for the interior of the vehicle.
- Thermal and acoustic insulation for the engine compartment with thermoformed textile fibers, aluminium film as well as fire and hydrocarbon resistant non-woven fabrics.
- Textile carpet false floor with encapsulated wood core.
- Plastic air ducts with polypropylene fibre acoustic absorber.

Processes and technologies

Joining processes
- Plastic shaping
- Textile shaping

Componentes de Vehículos de Galicia has different production lines with the following technologies:
- Carpets thermoforming
- Felts thermoforming
- Fibreglass, plastic fibres and honeycomb cardboard composites thermoforming
- Thermoplastics vacuum thermo-napping
- Carpet, wood, felt and non-woven fabrics encapsulation
- PU foaming
- Robotic water jet cutting
- Punch die cutting
- Ultrasound welding
- Vibration welding
- Thermal welding
- High frequency welding
- Die cutting

Main customers

Stellantis, Nissan, Porsche, Mitsubishi.
Company description
Aluminum assembly manufacturing company for the automotive sector.

Products and services
Module or function
- Front End
- Rear end

Manufacture of rear and front CMS (Crash Management Systems) from aluminum profiles.

Processes and technologies
- Metal shaping

Heat treatment, bending, welding, mechanization and assembly.

Main customers
Stellantis.
Construcciones Mecánicas de Galicia, S.L. (Comegal)

**Company description**

Comegal was created in 1998. Their main assets are the experience and expertise of their staff who, thanks to continuous investments, are able to meet the requirements – primarily in the automobile sector - with regard to the design and construction of small assembly and handling posts, and dies for forming, stamping, embossing and milling components. The design, construction and commissioning of dies, especially fine tooling for visible components, are the specialty of Comegal.

**Products and services**

**Auxiliary services**

Die-stamping and tools

Tools, moulds, dies (for visible components and manufacture of trim inserts and badges. Design, and in commissioning of fine cutting machinery for decorative and visible components; prototypes and models.

**Processes and technologies**

**Metal shaping**

**Other technologies**

Design, grinding and erosion machining, rectification, assembly and commissioning.

**Main customers**

Aludic Group, GKN Driveline Vigo, Telefónica S.A., Mecanizados Atlántida S.L.and Crown Embalajes España S.L.
Coperma, S.A.

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| ⭐⭐⭐⭐⭐   | ♂♂♂♂♂     | Main value chain Tier 1  
Auxiliary value chain |

1 Less than € 1,500,000  
2 Up to 20 employees

Company description
Coperma S.A. started business in 1971 as a woodworking manufacturer. Currently, the company has two principle business divisions: packaging and panels for the automotive industry and furnishings, as well as commercial premises renovations. In 1978 they started to produce packaging for Stellantis. Since then they have produced packaging for hundreds of products for transport, with total security: windscreens, dashboards, doors and motors for Stellantis and their auxiliary supply industry. In 1998 they incorporated the use of CNC machinery and CAD / CAM systems. The types and diversity of the sectors in which Coperma is involved allows them to have the flexibility and experience required for the full implementation of all projects they undertake.

Products and services

Module or function

Boot
Door module

Panels and components in wood derivatives for vehicle door and loading area coating.

Auxiliary services

Engineering
Logistics and transport
Process outsourcing

- Design, development and manufacture of wood and cardboard packaging and containers to protect and transport components.
- Stock management, logistics and JIT delivery services.
- Manufacture and CNC machining of wood and composite parts.
- CNC cutting and machining.

Processes and technologies

Assembly
Wood processing

- CNC cutting and machining.
- Software used: Katia, CAD-CAM.

Main customers
Stellantis, GKN, Faurecia, Gefco, Gestamp, etc.
Copo Galicia, S.L.U.

**Company description**

Copo Galicia started business in 2002 with the production of impact absorbers from various kinds of flexible and rigid foams for internal use in the different processes of the Copo Group. They have progressively incorporated new products including technical foams for a range of applications, and cutting and stitching processes. The latest incorporation of new products / processes is in sun visors.

**Main customers**

Stellantis, GM, Denso, Grupo Copo.

**Products and services**

**Module or function**

- Boot
- Door module
- Driving position
- Engine compartment
- Seats

**Products**

- EPP, EPS and PUR parts for sound insulation and impact absorption.
- Anti-submarine seating parts for rear seats.
- Boot storage compartments.
- Toolboxes.
- Parts for internal usage including fillings used for reinforcement and / or impact absorption, for example in the headrests.
- Cutting and stitching of seat covers for internal use within the Group.
- Manufacture and production of sun visors from start to finish (from EPP bodies to plastic components and the complete assembly).

**Auxiliary services**

- Logistics and transport
- EPP packaging items

**Processes and technologies**

**Other technologies**

- Textile shaping

Copo Galicia has a number of production lines to make EPP / EPS parts as well as two production lines for making flexible PU parts. They also do the cutting and stitching of all types of fabrics and felts using specific and specialized cutting machinery for these types of products.

**Main value chain Tier 2**

- Sales information

<table>
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1 Between 6,000,000 and € 17,999,999 · 2 Between 21 and 100 employees

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**Web / Email**

http://www.grupocopo.com
Company description

Copo Ibérica was the embryonic start-up company which has now become Grupo Empresarial Copo. They started life in 1972 making seat fillings for the newly constructed Citroën plant in Vigo. Currently, they have a workforce of 173 and they supply polyurethane foam fillings for cushions and backrests, utilising 3 technologies: cold-blown foam, hot-blown foam and INALCO moulding. They have an extensive background and experience, as well as the continued support of the Copo Group Technology Centre, whose expertise allows continuous improvement to be our major resource.

Products and services

Module or function

Seats

- Traditional foamed parts (raw leather) using cold foam moulding (high Resilience (HR)) technology: gives the filling durability characteristics.
- Traditional foamed parts (raw leather) using hot foam moulding (Hot Cure): allows weight reduction of the parts, thereby contributing to the weight reduction of the vehicle and in turn to cost reduction.
- Incorporated “in situ” moulded parts using a new technology called INALCO which produces fully finished rear seats whilst maintaining the required high comfort levels and giving a considerable cost reduction.
- Headrests and elbow rests in polyurethane foam: currently manufactured by INALCO but can also be manufactured by traditional moulding.

Processes and technologies

Other technologies

Manufacture of polyurethane components using:
- 3 cold technology (HR) carrousels
- hot technology (HO) carrousel
- 1 INALCO carrousel for smaller parts (elbow rests)
- INALCO carrousel for larger parts (seats and back rests)

Main customers

Groupe PSA, Renault – Nissan, Grupo Volkswagen and General Motors, Faurecia, Lear, Johnson Controls, etc.
Cromados Estévez, S.L. (Autocromes)

Company description
Cromados Estévez is a company with more than 45 years of experience in the galvanic sector. It is specialized in the anticorrosion protection of metal surfaces through the application of metallic and organic coatings such as: zinc and its alloys, industrial hard chrome, powder paint (lacquer) and Autoforesis Aquence®.

They carry out the study, design, establishment and management of treatment plants to serve their customers, with direct participation in all areas.

Products and services

Auxiliary services
- Automation and robotics
- Machinery and small integrated lines
- Process outsourcing

Anticorrosion treatment and coating for metal surfaces. Metal, organic and duplex coatings. Zinc nickel of high anticorrosive power, industrial hard chrome and electrolytic zinc plating with high coverage. Organic coating processes such as electrostatic powder and Autoforesis Aquence® painting.

Other services:
- Taking into account the client’s activity, product range and production requirements, this company invests in its own in situ treatment lines.

They take part at all stages:
- Project design
- Coordination with suppliers
- Installation of facilities
- Management and use of treatment lines
- Control means

Processes and technologies

Other technologies
- Surface treatments and finishes

1 alkaline zinc line (up to 6m of length)
1 acid zinc line
2 electrostatic powder painting lines
1 industrial hard chrome line
1 Autoforesis Aquence® line

Main customers
GKN Driveline, Trelleborg Automotive, Casple, Aludec Stamping, Grupo Antolín, etc.
Data Monitoring, S.L.

Company description
Technology-based company that was established in June 2017 to respond to the growing demand for solutions oriented to Industry 4.0. It develops solutions based on the Internet of Things (IoT), that is, the interconnection of people, processes and devices through the Internet and Big Data.

Products and services
Auxiliary services
- Automation and robotics
- Engineering
- Maintenance and services

Monitoring solutions for the control of compressed air and gas leaks for the automotive auxiliary industry.

Processes and technologies
Other technologies
Design of integral solutions based on the Internet of Things, to which Big Data and Artificial Intelligence are incorporated.

Main customers
Gestamp, Cie Automotive, etc.

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the@perfectnumbers.tech
Decuna, S.L.

Company description
Decuna, part of Grupo Precisgal, offers solutions, products, technology and services in the fields of industrial automation, robotics, software, machinery and industrial processes. The company, founded in 1990, is based in Vigo and supports its customers located across the world. With an approach based on quality and service, the company covers every link in the production chain. Decuna performs technology transfer to industrial processes in several markets, such as the automotive industry, timber industry, fishing, stone and food industry and consumer goods, among others.

Products and services
Auxiliary services
- Automation and robotics
- Engineering
- Maintenance and services

Development, manufacture and commissioning of solutions, products, technology and services in the following areas:
- Robotics
- Artificial vision
- CNC
- Industrial automation
- Traceability

Processes and technologies
Other technologies
- Line automation and production machinery
- Robotization (robotic welding cells, robotic presses, tailor-made machines, etc.)
- Automated warehouses
- Traceability systems

Main customers
Grupo GKN, Gestamp, Dalphi, Faurecia and machining companies (UME, Utingal, Distevi, etc.).

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comercial@precisgalgroup.com
Company description
Denso's aim with their project in Galicia is to set up a production facility for vehicle climate control and engine cooler modules for the major car makers in Spain.

Products and services
Module or function
- Cockpit
- Front End
- HVAC: controls not just the cabin temperature but also regulates air flow, humidity and purification. The HVACs made by Denso are characterized by their highly efficient heat exchange, lightness, reliability and compactness.
- ECM (Engine Cooling Module): Integrates various elements including the radiator, the A/C condenser, intercooler (CAC) and electric fan (ELV) Denso ECMs provide a high ratio of thermal efficiency by unit of exchange surface area and are a benchmark in terms of increased performance and, in turn, reduced weight.
- A/C Compressor: The compressors marketed by Denso Sistemas Térmicos de España are of the clutchless swashplate type and have a system to limit force in the pulley shaft, which acts as a mechanical fuse in case of blockage or overload. This avoids any damage to the vehicle's engine in case of any internal breakdown. The mechanical performance and its reduced weight are its major characteristics.
- HVAC Controller: component which houses the elements which make up the interface between the user and the vehicle HVAC system. Manual and electronic versions are available, some of which incorporate an LCD information screen. It is also a decorative interior part of the cabin and needs to be in keeping with the aesthetic design stipulated by the car maker.

Processes and technologies
Assembly
Plastic shaping
INJECTION AREA: Plastic component injection line with 1300/900 t presses (Innovation: SMED system for rapid changing of moulds in under 1 minute); Plastic component injection line with 400/260/220/200 presses; Aesthetic plastic component injection line (HVAC Controller front) in 200/110 Tri t. presses.
HVAC Assembly Area: Lines for B78 + B9 automatic + B9 electric; for S4400 and S4530; for B9 manual; for M3M4 and for Renault X87/X98. In the M3/M4 models, the following process innovations have been incorporated: automated management system track HVACs movements along the line + checking bank based on machine vision.

Main customers
Stellantis, Opel, Renault, Mercedes Benz.
Diseño e Modelado de Superficies, S.A. (Demsu)

Company description
Demsu started out in 1995 with the principle aim of meeting the demand for tools and moulds in the Galician automotive industry. Their main activity is the design and manufacture of plastic injection moulds and control tools for the automotive industry.

Products and services

Auxiliary services
- Die-stamping and tools
- Maintenance and services

Main activities:
- Design and manufacture of plastic injection moulds and die casting.
- Repair, maintenance and modification of moulds built by the company or by others.
- Management and monitoring of moulds built in other countries.

Processes and technologies

Metal shaping
Other technologies
At their site – with a 1,000 m² workshop and 300 m² of offices – they have high-speed machining centres, Ona and Charmilles electro-erosion machines, adjustment and polishing zones, metrology room, 2D and 3D design software (Catia V5, Unigrafix and Mechanical desktop) and CAM software (Hypermill and Machining Strategist).

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demsu@demsu.com
Drogas Vigo, S.L.

Company description
Drogas Vigo was founded in 1958. Today it is at the forefront of the chemical industry in the west of the Iberian Peninsula. With headquarters in Porriño, their main activity is the sale and distribution of chemical products, the manufacture and mixing of solvents, waste management and the supply of logistics and outsourcing services. The group has 2 subsidiaries: Drovigo Portugal, logistics operator located in the chemical terminal at Aveiro Port (Portugal) and Regadi, authorized waste solvent management company. As a result of their efficient work, in 2007 Grupo Drogas Vigo was awarded the European HSSE-ESIG Award for 2007 (European Solvents Industry Group) and in 2014 they were nominated finalists for the ESIG AWARDS 2014 for the development of a solvent for cleaning robot hoods which gives a 2% reduction in VOCs.

Processes and technologies

Products and services

Auxiliary services

- Manufacturing of solvent mixes for paint dilution and special cleaning solvents with improved efficiency.
- Recycling and recovery of used solvents with the possibility of reformulating them for reuse in their initial usage.
- R&D to eliminate or substitute highly toxic products with new, lower toxicity ones, in keeping with the required specifications, improving efficiency, reducing VOCs and cycle time.
- Outsourcing chemical product transport services.
- Water purification.
- Logistics services.
- Solvents dilution paint and solvents cleaning robots.

Main customers
Stellantis, Industrias Proa, VW Autoeuropa, TRW.

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drovi@drovi.com
Efimob Efficient Solutions, S.L.

Company description
Efimob is an engineering company specialized in the development and commercialization of charging systems for electric vehicles, as well as management and monitoring software for charging stations. It is the official importer for Spain of all recharging equipment and developer of the software solutions offered, in addition to being the official technical service for the different solutions. It is 100% dedicated to electric mobility, offering services, supply of recharging equipment, management and monitoring software, assistance, call center, consulting, installation and maintenance of equipment from different manufacturers.

Products and services
Auxiliary services
    Engineering

Development and implementation of turnkey electric vehicle charging point projects. It includes the project, the chargers, installation and development of the control software.

Processes and technologies
Other technologies
    Engineering, software development and facilities company focused on sustainable mobility.

Contact
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info@efimob.com
Electrical installation is the main activity of Elecpor. Due to their permanent service of electrical maintenance in automotive companies, they have acquired great experience in robots. They have different robotic cables and spare parts in stock. Moreover, at their maintenance workshop they have all kinds of spare parts for a quick repair of robot programming consoles.

At their facilities they have two models of robots, with which they carry out the material testing before delivering it to their customers.

- Repair / replacement of ABB robot cables and programming consoles (Teach Pendants)
- Electrical installations and panels of low and high voltage
- Industrial Maintenance

Main customers
Viza Automoción, Benteler, Denso Sistemas Térmicos, Snop Estampación, Cie Galfor, Reydel Automotive, Componentes de Vehículos de Galicia, Marsan Transformaciones Superficiales, Mantenimientos Industriales Sulcer, Kaleido Logistics, Movelco, etc.
Embalán Ibérica, S.L.

Company description

- Embalán Ibérica started its activity in the early 90s.
- The philosophy of the company is oriented towards its clients and their full satisfaction. It seeks to be a reference provider, combining quality, service and price.
- The company is already in the second generation, which allows it to combine its extensive experience with an updated vision of the market and new technologies, printing processes, finishes and materials, betting on the use of recycled materials and the elimination of plastic single use in the production process.

Products and services

- Manufacture of labels in any format.
- Distribution of printing consumables.
- Distribution of radio frequency labels using RFID.
- Distribution of heat transfer printers.
- Stationery supplies.
- Offset, digital and flexo printing.
- Hot and cold stamping.
- Screen printing and reliefs.
- Design department.
- Stock management and schedules.
- Logistics and Transportation.
- Industrial supplies.

Processes and technologies

- Printed label lines (offset, flexo and digital).
- White label die cutting lines.
- Inspection and rewinding line.
- Screen printing line, hot and cold stamping line.
- Lamination line.
- CTP technical office department and plate processor.
- Digital printing on sheets and rolls.
- Cutting plotter for sheets and coils.
- Printer with certified color proofs.

Main customers

GKN Driveline, Valeo, Hella Maesa, SMRC Automotive, Magna, Constellium, TI Automotive, Adhex Tech Tapes, Copo Ibérica, Valver.

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Web / Email
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embalan@embalaniberica.com
Company description

EMENASA INDUSTRIA Y AUTOMATISMO, S.A. is a company with extensive experience in industrial installations, process engineering, automation, robotics and transport systems that offers its customers a personalised integrated service with innovative technological solutions adapted to their needs. The company was founded in January 2016 to lead, in the Emenasa Group, the terrestrial industrial activity, mainly focused on key Galician manufacturing sectors such as the automotive industry. They have own staff at all project stages, from the design to the construction, installation, programming, implementation and production support.

Products and services

Auxiliary services
- Automation and robotics
- Die-stamping and tools
- Diverse
- Engineering
- Machinery and small integrated lines

- Industrial installations
- Welding cells
- Production lines and special machinery
- Tools and models
- Design and installation of conveyors

We have a highly qualified team of professionals as well as the most advanced technological resources. All this enables us to successfully develop every and each one of the stages in a project, being able to provide innovative and customised solutions for any kind of industrial facilities, the construction of production lines and special machinery, the design and manufacture of welding lines as well as the manufacture of tools and models.

Processes and technologies

Other technologies

We have space to carry out the trial assembly of the machinery and the lines we manufacture, also with capacity to produce parts if required by the final customer. We have advanced quality monitoring tools, machining workshop, assembly and adjustment area as well as a testing workshop for machines, robots and artificial vision.

Main customers

Stellantis, Gestamp Group, GKN Driveline, Denso STE, Borgwarner, Grupo Copo, Opel, etc.
Company description

Errecé came into being as the natural evolution of a small family business which, for decades, had been dedicated to the manufacture of agricultural machinery at a national scale. Following a significant investment in technology, the company became a major supplier to the automotive industry, while also achieving a consolidated position in other sectors. Nowadays the company works as a supplier to the major auto manufacturers and develops their own products which are exported to international markets from their technical and innovation departments.

Products and services

<table>
<thead>
<tr>
<th>Module or function</th>
<th>Services provided</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door module</td>
<td>Errecé manufactures complete metal assemblies using</td>
</tr>
<tr>
<td>Engine</td>
<td>laser cutting technologies (both sheet and tube), CNC</td>
</tr>
<tr>
<td>Exhaust and manifold</td>
<td>bending, TIG-MIG welding (manual and robotic), CNC rod</td>
</tr>
<tr>
<td>Roof</td>
<td>shaping, CNC machining (lathes and machining centres)</td>
</tr>
<tr>
<td></td>
<td>and epoxy coatings. They offer the finished product</td>
</tr>
<tr>
<td></td>
<td>according to customer specifications, from prototyping</td>
</tr>
<tr>
<td></td>
<td>through to mass production. Currently, the company is</td>
</tr>
<tr>
<td></td>
<td>participating in two national-scale innovation projects</td>
</tr>
<tr>
<td></td>
<td>in the renewable energy sector.</td>
</tr>
</tbody>
</table>

Auxiliary services

- Logistics and transport
- Process outsourcing

- The service supplied by Errecé generally starts with laser cutting of metal sheets and tubes. Subsequently, they incorporate different mechanical operations such as bending, shaping and welding, to achieve the specifications required by the customer.
- Errecé also has their own transport service.

Processes and technologies

- Assembly
- Joining processes
- Metal shaping
- Surface treatments and finishes

5 laser cutting machines, 1 CNC bending machine, 3 CNC lathes, 2 CNC machining centres, 2 CNC rod shaping machines, 1 welding robot and 1 epoxy coating shop.

Main customers

Borgwarner and Lear Corporation.
**Company description**

Boilermaking and machining of parts of all kinds of materials: iron, stainless steel, bronze, nylon, aluminum, etc. for the automotive and naval sector.

**Products and services**

- Auxiliary services
  - Logistics and transport

**Processes and technologies**

- Assembly
- Joining processes

**Main customers**

Renault, Groupe PSA, Fiat, Mercedes, Volkswagen, Seat, Plastic Omnium, Faurecia, Benteler, SMP Automotive.

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**Contact**

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**Web / Email**

http://www.esypro.com  
comercial@esypro.com
Europrecis Galicia, S.L.

Company description
Europrecis Galicia S.L. has been operating on the world market since 1981. The company is well known for the design and production of models for the automotive industry, tools for the naval, aviation, food, solar and wind industries, machinery for the stone and marble industry, precision machining, and generally all kinds of specialist machinery.

Products and services
Design and construction of tools; CNC machinery; 5-axis machining; large-scale machining; construction of specialist machinery; preventative maintenance and repair; reverse engineering; component digitalisation; dimensional control; 3-dimensional measurement of components; measurement of components on client’s site using Faro Gage measuring arm.

Auxiliary services
- Automation and robotics
- Die-stamping and tools
- Engineering
- Machinery and small integrated lines
- Maintenance and services
- Process outsourcing

Processes and technologies
- Assembly
- Joining processes
- Metal shaping
- Lathes, routers, machining centres, boring drill, electro-erosion area (penetration and wire-cutting), grinding area (grinders and lappers), drilling and threading (column and radial drills, pneumatic thread former), fine-tuning area (fully equipped fine-adjustment benches), welding area (MIG / MAG and TIG welding), other machinery: vertical band saws, flat band saws, hydraulic presses and bridge cranes; metrology area (three-dimensional measuring, profile projector for measuring angles, vertical column, Faro measuring arm with laser scan, optical micro-aligner, laser trucker); technical office (Solidworks, Catia v5 + 5-axis machining module, 5-axis Camworks, Geomatic, InCa 3D, Autocad Mechanical).

Main customers
- Stellantis, Benteler, Faurecia, TRW, Renault, Silencor, Plastic Omnium.
## Company description
QLS Services was established in 1996, in order to meet the needs of its customers in the automotive sector, in the areas of quality analysis support and rework of parts, realization of quality walls, representation engineering and logistics. In addition, it provides auxiliary process development services in production chains and industrial activities.

## Products and services
### Auxiliary services
- Diverse
- Engineering
- Logistics and transport
- Process outsourcing

### Quality control service, parts rework, logistics services, sub-assembly of components, engineering services, representation of suppliers.

## Processes and technologies

## Main customers
Grupo TRW, Copo Ibérica, Copo Galicia, Componentes de Vehículos, Benteler, Volkswagen, Stellantis Mangualde, Daimler, etc.
**Exla Packaging Solutions, S.L.**

<table>
<thead>
<tr>
<th>Turnover ¹</th>
<th>Employees ²</th>
<th>Sales information</th>
</tr>
</thead>
<tbody>
<tr>
<td>⭐⭐⭐⭐⭐</td>
<td>♂♂♂</td>
<td>Auxiliary value chain</td>
</tr>
</tbody>
</table>

1 Between 1,500,000 and € 5,999,999 · ² Between 21 and 100 employees

**Company description**

Exla is a company that specializes in all types of dedicated and returnable packaging. They carry out the design, manufacture and marketing of tailor-made reusable flexible or rigid packaging solutions for transporting components related to the production lines in the automotive, aviation, rail, food industries, etc.

**Products and services**

**Auxiliary services**

- Engineering
- Logistics and transport

- Design, development and manufacture of tailor-made packaging to meet their clients' needs, for long duration series, using technical fabrics, PPEA, PER foam, which cover the protection of components and bring cost savings in logistics and required ergonomic level. Exla Plásticos has its own technical offices which carry out the design of the dedicated packaging in keeping with the geometry of the components, the critical parts of these and the optimisation of returns.

- Manufacture of prototypes and packaging series depending on the developed solutions.
- Secure transport of decorative components.

**Processes and technologies**

- Assembly
- Joining processes

- CNC cutting and machining technology.
- Handling of Evolon, Tyvek, Akilux, C.P., PP and PE.
- Manufacturing of logistic furniture for kitting, made of durable material combined with textile divisions to protect the parts. Screw-less connections, via tongue-and-groove joint and weld bead.
- Assembly line and assembly of metallic, plastic and textile packaging elements.

Regarding process innovations, the company is currently participating with AIMEN in the development of a pulse welding system for thermoplastics; the project is financed by EFERD funding.

**Main customers**

Stellantis, Visteon, Grupo Antolín, TRW, Megatech Industries, SAS Automotive, Grupo Viza, Hispaplasti, Aludec, Grupo Copo.
Faurecia Asientos de Galicia, S.L.

<table>
<thead>
<tr>
<th>Turnover ¹</th>
<th>Employees ²</th>
<th>Sales information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>Main value chain Tier 1</td>
</tr>
</tbody>
</table>

¹ From € 18,000,000 - ² More than 250 employees

**Company description**

Asientos de Galicia is part of the Faurecia Group, which has 160 factories in 28 countries and has 28 Technical and R&D Centres. Since its founding in 2001, their production has increased to supply Stellantis. Currently, the company is based on the Vigo Technology and Logistics Park with an output of approx. 2,000 vehicles per day; their complete output is made for Stellantis.

**Products and services**

Module or function

Seats

The company produces car seats and has the necessary capital goods (machinery, labs and facilities) and technical capabilities.

**Processes and technologies**

Assembly

The design of the products is performed using modern optimisation and simulation systems. They base their production on the most efficient and punctual Just-In-Time systems: products are delivered in function of the tempo required by each client.

**Main customers**

Stellantis.

**Contact**

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Faurecia Automotive España, S.A.

Company description
Faurecia Automotive España forms part of the Faurecia Group, which has four plants in Galicia. The entire production of Faurecia Automotive España goes to the automotive industry. Two major constructors account for the entirety of their output: Stellantis accounts for 55% of turnover and the other 45% is from Renault.

The plant has the most prestigious quality certifications. ISO-14001 for Environmental Management, ISO/TS-16949 for Quality Management in the automotive industry and OHSAS 18001 for Health and Safety Management.

Products and services
This company focuses its business on the production of dashboard panels, trims, door panels and carpentry.

Processes and technologies
Primary means of working: injection moulding presses, slush moulding facilities, foam injection, painting, routing, welding, flaming facilities, weakening, die cutting, assembly chain, safety tightening machines and safety riveting machines.

Main customers
Stellantis, Renault.

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informacion_ourense@faurecia.com
Faurecia Interior Systems España, S.L.

Company description
The Faurecia Interior Systems España S.L. plant, located in Porriño (close to Vigo), was founded in 1985 with the name Lignotock, S.A. and today is 100% owned by the Faurecia French Group. The company is part of the Automotive interior systems division, being specialised in the manufacture of elements aimed at covering the interior of the vehicle, such as: door panels, inserts and door trims as well as seat rear panels. These products are mainly made of pinewood and synthetic fibres, which are later covered with leather or fabrics.

Products and services
Module or function
Boot
Door module
Seats
Products:
- Wood fibre mats with resins customised to each client and densities ranging from 1,000 to 2,400 g/m2.
- NFPP mats in a wide range of densities according to the customer needs.
- Press moulded wood fibre parts with the characteristics and shape required by the client.
- Finished parts covered with leather or fabrics. Products supplied under this technology are inserts, door panels, seat rear panels, trays, etc.

The company’s products have the following advantages: low density (which implies a significant weight reduction in comparison with other materials); noise and heat insulation; shape and dimensional stability; the surface quality of wood fibre parts enables its direct coating with textiles and leather, with no need to use intermediate foams or fabrics; low dependence on oil (price stability); cheaper pressing and covering tools; shorter time in terms of development and product modifications.

Processes and technologies
Other technologies
Textile shaping
- Manufacture of wood fibre mats (WFC and NFPP).
- Parts thermoforming based on mats.
- Fabric cutting process.
- Parts covering by pressing.

Main customers
Faurecia Group, Ford, Daimler AG, Stellantis, BMW, VW, GM, Opel, Renault, etc.
Faurecia Sistemas de Escape España, S.L.

Company description
This company was founded in Vigo in 1963 and manufactures exhaust systems, primarily for Stellantis. They are part of the Faurecia Group, which has 300 factories in 35 countries and 28 Technical and R&D Centres.

Products and services
Module or function
- Exhaust and manifold
- Roof

Faurecia Sistemas de Escape España produce exhaust systems, engine fan systems, embossed parts, pipe bending machines, semi-automatic and manual welding, robotic welding, assembly, fan assemblies, electromechanical component assembly, assembly of complete or sequenced exhaust systems.

Processes and technologies
- Assembly
- Joining processes
- Metal shaping


Main customers
Stellantis.
Formel D España, S.R.L.

Company description
We are the supplier that helps vehicle manufacturers and suppliers to guarantee the quality of their products and process chains. As a partner of OEM’s and TIERS, we are available in 20 countries. We have resources and solutions to ensure the quality of vehicles and components, as well as to strengthen the implementation and optimization of service processes.

Products and services
Auxiliary services
- Diverse
- Engineering
- Process outsourcing

We offer our services throughout the automotive value chain, from product development to production and after-sales service. This end-to-end approach, together with our specific knowledge and extensive experience, creates synergies that play a role in the optimization and quality assurance of products and processes throughout the entire supply chain.

We are backed by a powerful and comprehensive range of quality and production services and we are your experienced partner for all general work related to the automotive industry during development, production and after-sales service.

Processes and technologies
Other technologies
In the area of product development: development of test vehicles, vehicle testing and homologation.
In the production area: location of suppliers and availability, management of launch and serial phases, quality management, assembly with added value.
In the after-sales area: service management, vehicle management, dealership management, warranty management.

Lines of innovation in our concept of Quality Confirmation Center (e-QCC): We take care of the entire long-term quality control process, from communication with the supplier to ensuring the correct quality and quantity of the parts, in the plant and outside in the own facilities.

Countless Tier 1 and Tier 2 suppliers are involved in the complex manufacturing process of a car. This means that quality assurance includes an increasing number of in-product checks that processing manufacturers prefer to put into the experienced hands of the Formel D Group.
Comprehensive quality assurance measures of this type produce large amounts of data that the Formel D´s innovative e-Report shows in a particularly effective, quick and easy to use way, while taking into account specific requirements and ensuring traceability.

Main customers
Stellantis, Seat, BMW, Bosch, Fagor, Continental, Valeo, Nissan, SMP, Ford, Borgwarner, Denso, Benteler, Opel, Faurecia, Daimler, Plastic Omnium, Lear, Renault.

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miguel.andia@formeld.com
CTAG, the Galician Automotive Technological Centre, is an entity created in 2002 involved in the research, development and technological innovation for the automotive industry. More than 600 engineers and technical personnel work at the different stages in the development of new products and processes, from applied research through to validation during its serial production.

CTAG offers integral solutions for the development of innovations and big industrial projects. It is involved at all development stages, from applied research and concept definition through to product-process validation. Additionally, CTAG carries out its own research lines with regard to the future of the Sector, among we can stand out: ADAS systems and autonomous driving; New materials (bio-polymers and intelligent materials); Industry 4.0

The Centre provides services in the following areas: CAD Design; Calculation and virtual simulation; Rapid prototyping; Electronics: Development of vehicle intelligent systems (HW, SW & HMI) and ADAS systems validation, automated driving, connectivity, electro-mobility and comfort; Testing laboratories: vibration and acoustics, fatigue, climate, materials, engine, metrology; Passive safety; Process engineering: flow and layout analysis, design, simulation and development of automated cells, control systems by artificial vision, design of production and control tools, collaborative robotics, digitalisation and big DATA (industry 4.0); Technological consultancy.

Facilities and equipment for testing both complete vehicles and automotive systems and components:
- Low speed tracks
- Driving simulator
- Inverse catapult to carry out impact tests with instrumented dummies
- Software to perform calculations on structural, impact, fluid-dynamics, vibration and kinematic studies
- Laboratory for plastics injection
- Laboratory focused on Industry 4.0 processes

Main customers
Stellantis, Borgwarner, Viza, ZF, Faurecia, etc.
Galicia Auto Estampación (GAESA) belongs to IPM Rubí, an industrial Group specialized in the stamping of steel and aluminium parts, welding and painting of assemblies, with production plants in Vitoria (2), Abrera (Barcelona), Ribadavia (Ourense) and Brandys Nad Labem (Czech Republic).

Products and services
Module or function
- Boot
- Cockpit
- Door module
- Driving position
- Front End
- Ground contact system
- Rear end
- Roof
- Seats

Auxiliary services
- Logistics and transport
- Process outsourcing

GAESA has a 5-axis 2D and 3D laser cutting facility. It also carries out the integral logistics of the Group and their customers.

Processes and technologies
- Assembly
- Joining processes
- Metal shaping
- Other technologies
- Surface treatments and finishes

GAESA’s factory has the following processes and production means: 2 progressive press lines (one of 400 – 800 t and the other one of 1,000 – 2,000 t) for aluminium and normal/high elastic limit steel stamping; 2D and 3D laser cutting; MIG-MAG and resistance welding in robotic and automated facilities; finishing and control operations; roll forming; logistic services.

At the client’s request, GAESA can subcontract other IPM RUBI Group companies to carry out the following activities: stamping on conventional, transfer or progressive presses (from 100 to 2000 t), painting processes and other surface treatments.

Main customers
VW Group (VW, Audi, Seat and Skoda), Daimler, Stellantis, GM, Magna, Brose, etc.
Galipol, S.L. is a company founded in 1997, involved in the manufacture of parts in technical foams. It currently has 3,000 m2 of surface in its facilities located at the Vigo Technological and Logistics Park, being part of a large group of companies of great relevance in the automotive sector. It is an ISO 9001:2008 and 14001:2004 certificated company and is currently in process to implement IATF 16949:2016, in order to comply with its customers requirements.

Galipol activity is based on two basic premises:
- The production of parts following the technical specifications required by OEMs and Tier suppliers.
- The contribution of our experience and know-how to find the best solution to the applications demanded by our customers.

Products and services
Galipol manufactures parts in the 8 families of technical foams existing in the market: polyurethane, polyethylene, polypropylene, cellular rubber, eva foam, PVC foam, silicon foam and melamine foam. These products can be complemented with polyester, felt, adhesives and other raw materials. The most common applications of these products are, for example, thermal and acoustic insulation, waterproof joints, protection function, spacing or vibration absorption. This way, the parts supplied by Galipol can be addressed to many modules or functions in the vehicle.

Processes and technologies
Joining processes
Other technologies
Cutting plotter, cutting sheeter, cutting panel saw, stamping/die-cutting machine, stamping/Kiss-cutting machine, milling/machining processes, sheeter/adhesive coater.

Main customers
Copo Ibérica, Componentes de Vehículos de Galicia, Adhex Technologies, Benteler, Borgwarner, Marsan, Izm, etc.
Gallega Mecánica, S.L.U.

Company description
This company, which is part of the Ganain group of companies, has more than twenty years of experience in the automotive sector, specifically in the Vigo area. Its activity focuses on the design, machining and manufacture of machines, tools and means of control. It is also an expert in industrial plant engineering, re-layout and preventive and corrective maintenance.

Products and services
Auxiliary services
- Die-stamping and tools
- Diverse engineering
- Machinery and small integrated lines
- Maintenance and services
- Process outsourcing

Its main activity is the design, machining and manufacture of machines, tools and control means. They also carry out engineering services, plant re-layouts and industrial maintenance.

Processes and technologies
- Assembly
- Metal shaping
- Other technologies

Main customers
GKN Driveline, Stellantis, Faurecia Sistemas de Escape, Industria de Turbopropulsores.

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Gecoinsa (Gestora Comercial Internacional, S.L.U.)

Company description
Gecoinsa offers packaging solutions and integral logistics adapted to the requirements of the automotive industry. With a business culture focused on excellence in service, quality and technological innovation, they apply models aimed at continuous improvement, process efficiency and working methodology. Being ISO 9001, ISO 14001 and ISO/TS 16949 certified, Gecoinsa has production centres in Vigo, Madrid and Tangier, all of them with lines for packaging manufacture, conditioning of replacement parts and integral logistics. Gecoinsa: more than 30 years engaged with our customers’ objectives.

Products and services

Auxiliary services
- Diverse
- Industrial supplies
- Logistics and transport

Design and manufacture of packaging. Starting with 3D modelling, they develop product specific packaging which effectively protects the contents, with assembly cost and space savings. Modules CKD and replicas of life-series containers, palletized cardboard boxes (CDC PSA, Renault, Nissan, Ford), wooden crates, carton packaging, pallets and pallet components, corrosion inhibitors, desiccants, plastic bags and other packaging consumables.
- Integrated Just In Time Logistics.
- Reverse logistics, management of warranted parts.
- Conditioning, packaging and pre-assembly of automotive components (spares, production series, CKDs, DKDs and SKDs).
- Quality assistance service: recovery, classification and repairs, resident technician.
- Supply of labels, nails, hand tools, plastic bags, boards, etc.

Processes and technologies

Joining processes
Surface treatments and finishes
Wood processing

Gecoinsa’s Vigo site has 5,000 m² of built premises, 3,500 m² for production and 1,500 m² for warehousing. Their principle processes and means of production are: wood cutting line, automated wooden box manufacture line, CNC machinery for routing wood, HT thermal treatment chamber, packaging assembly posts, stapled assembly of packaging components and spare part conditioning posts.

Main customers
Stellantis, Renault, Nissan, Plastic Omnium, Faurecia, Gestamp, Grupo Antolín, TRW Dalphimetal, GKN Driveline, Mann+Hummel, Denso, Visteon, Viza, Benteler, Inergy, Trety, Copa, CIE, SMP Ibérica, etc.
Gestamp Vigo, S.A.

Company description
Gestamp is an international group and are market leaders in design and manufacture of metal components for the automotive industry and are one of the world’s leading manufacturers in this sector with nearly 100 production sites.

Gestamp Vigo, S.A. transforms steel sheets into parts and components for the automotive industry. Their most noteworthy recent successes are winning the contract to supply rear axles for the C4 Picasso/C4 Gran Picasso and the welding of USIBOR/DUCTIBOR quality flat sheets for subsequent hot stamping.

Products and services
Module or function
- Boot
- Cockpit
- Door module
- Driving position
- Engine
- Front End
- Ground contact system
- Raw materials
- Rear end
- Roof
- Seats

Steel Parts:
- BIW (Box In White): body parts (bonnets, wings, doors, tailgates, roofs) and interior reinforcements (longitudinal beams and crossbeams, etc.)
- Chassis: rear axle.
- Pedals (clutch pedals, brake pedals and combined clutch + brake).

Auxiliary services
- Die-stamping and tools
- Diverse
- Process outsourcing

- Stamped metal parts and assemblies for industrial vehicles
- Setting up tools / equipment
- Tailor welding blank non-linear laser welding
- Metal surface treatments such as phosphating, electrophoresis and stripping of steel

Processes and technologies
- Assembly
- Joining processes
- Metal shaping
- Surface treatments and finishes

Cold stamping, MAG welding, resistance welding, Tailor welding blank non-linear laser welding, riveting, clinching, application of sealant and assembly, on which processes are applied such as shot peening, anti-chip, hemming and KTL black paint dipping.

Main customers
Stellantis, Renault, Volkswagen and other automotive suppliers.
GKN Driveline Vigo, S.A.

Company description
GKN Driveline Vigo (previously Indugasa), was founded in 1973 by Citroën and Seat. Since 1986 it has been part of the UK based GKN, which employs 49,700 people and has a turnover of around 8.8 billion euros / year. The group has 5 plants in Spain, GKN Driveline Vigo being the largest. The Vigo production facility manufactures CV joints and drivetrains for rear-wheel drive vehicles and 4WD industrial vehicles. The latest technology and methodology is employed in their manufacture.

Products and services
Module or function
Transmission
- CV joints (6-8 bearings) for transverse and longitudinal transmissions. Manufacture of all functional parts: AC, UF, SX, PX, AC-HS disk , etc. Pioneers in the manufacture of the most innovative technology (“Countertrack”).
- Manufacture of components for ball joints and the interconnecting shaft between the wheel side and the transmission side.
- Final assembly of complete driveline which incorporate the components manufactured by GKN - bellows, flanges, bearings and dampeners.

Processes and technologies
Assembly
Metal shaping
Surface treatments and finishes
GKN Driveline Vigo utilises highly specific and specialised processes in the manufacture of components and the assembly of drivelines:
- Machining: facing, turning, milling, drilling, grinding, hard routing. All their machinery and tools are specific and utilise the latest technology for serial production of their products.
- Thermal treatments: induction with piece by piece flow machinery, adapted to series processing and specific processes; cementation in batch process ovens and continuous process ovens.
- Assembly: Process designed expressly and specifically designed for their products.
- Paint: Supplier site at their facility, with specific process dedicated only to their product.

Main customers
As Tier 1: Renault, Nissan, GM, Ford, Stellantis, VW, Hyundai, Chrysler.
As Tier 2: they supply transmission components to companies at the GKN Group, which are later on sent to final customers such as Toyota, Land Rover, Audi, Volvo, Jaguar, Mercedes, Porsche, Kia, Honda, etc.
Company description
Gonvauto Galicia is a steel transformation company which belongs to Gonvarri Steel Industries (GSI), a Spanish multinational company which is a market leader in its sector. Gonvauto Galicia started out in 2004 with the aim of creating a services centre to supply their main clients in the region: Stellantis Vigo, Gestamp Vigo and Gestamp Portugal. They manufacture sheet metal for the automotive industry utilising longitudinal, transversal and silhouette cutting processes. Since its inception, Gonvauto Galicia has provided an effective and efficient service to their customers, responding flexibly to all their needs and offer a wide range of sizes and qualities, for which they utilise modern automated cutting and stacking systems. The factory receives raw materials by road, rail and sea thanks to its strategic location in Marín Port.

Products and services
Module or function
Raw materials
They produce coils, strips and flat format sheets of metal form steel rolls, the raw materials for the stamping, laser welding and profiling processes of their clients. They have a production capacity of 170,000 t/year and they can process the steel grades most widely used in the automotive industry, including high elastic limit materials.

Processes and technologies
Metal shaping
Two slashing lines, capable of cutting sheet metal up to 4mm, including high elastic limit materials. They utilise an assembly robot with cutting arm which allows high productivity and reliability in the cut.
2 silhouette cutting lines, cutting press (630 t) which can house pieces of up to 4.5 m in length. They utilise a stacking robot, a solution which is a huge innovation in the industry.
1 transverse cutting line which produces rectangular and trapezoidal pieces at high production rates.
Gonvauto Galicia offers an integrated service, from the sourcing and processing of the steel through to its delivery, including quality management. Their large warehousing facility (up to 25,000 t), together with their experience in the sector, allows the company to develop best-practice raw material management, a key point in the steelworking industry. During the development stage of new models their experience can help to achieve important cost savings in raw materials thanks to the optimised design of the cutting layouts.

Main customers
Stellantis Vigo, Gestamp Vigo, Gestamp Portugal, Lear Corporation, Snop Estampación.
Goycar Galicia, S.L.

Company description
Goycar Galicia S.L. born in 1995 and is specialized in boiler services, industrial maintenance and development of new products. It provides most of the companies in the automotive supplier industry. In 2012 incorporates a range of activity focused on logistics systems to improve storage processes and management in the production units of its customers.

Products and services

Auxiliary services
- Die-stamping and tools
- Diverse
- Logistics and transport
- Maintenance and services

Industrial boiler: containers, logistics trains, shelving, conveyors, ventilation ducts, tanks and vats, painting and metal work in general structures.
Design of specific equipment adapted to the needs of customers: welding booths, carpet shredder, automatic shrink for wrapping machine about metal parts, etc.
Industrial maintenance services.

Processes and technologies
- Metal shaping
- Other technologies

An added value is provided by the technical office formed by highly qualified and experienced professionals, dedicated to the design and development of new products and projects.

Main customers
Plastic Omnium, Marsan, Viza, Denso, Faurecia, Grupo Copo, Benteler, Gestamp, Megatech, SMRC Automotive Interiors Spain, etc.

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Grupo Empresarial Copo, S.A.

Company description
Grupo Empresarial Copo starts its activity in 1969. It has international presence, with production plants in Spain, Portugal, Cuba, Brazil, Czech Republic and Mexico. It offers a great variety of solutions for the interior of the vehicle in the areas of: seats and accessories; carpets and trims; soundproofing; acoustic and thermal absorption, EPP parts; fabrics; moulds and tools; and slabstock foams. It also has an own technological centre in Vigo (CETEC), which ensures the R&D and innovation in the different components manufactured as well as in processes, making innovation the key pillar to guarantee the quality, sustainability and differentiation of its products.

Products and services
Module or function
- Boot
- Door module
- Driving position
- Engine compartment
- Floor coating
- Raw materials
- Roof
- Seats

Auxiliary services
- Die-stamping and tools
- Engineering
- Logistics and transport
- Machinery and small integrated lines
- Maintenance and services
- Process outsourcing
- Technological centres

- Copo Ibérica: polyurethane foam fillings for cushions and backrests by cold / hot foam moulding and INALCO technologies; Headrests and armrests;
- Copo Galicia: EPP, EPS and PUR parts for soundproofing and impact absorption functions, anti-submarine seating parts and boot storage compartments; covers manufacturing.
- Componentes de Vehículos de Galicia: interior carpets; trunk trims and mats.
- Other plants: slabstock foams with different applications; fabrics (roof, seats, door panels).

- CETEC: technological surveillance of products, raw materials, processes and new markets; Chemical formulation and prototypes for the different products; Manufacture and maintenance of moulds for cold / hot foam moulding and INALCO technologies; Machinery for fatigue testing, control and / or poka-yokes.
- Copo Galicia: EPP packaging

Processes and technologies
Assembly
Joining processes
Other technologies
Plastic shaping
Textile shaping
Carrousels for cold (HR) and hot (HO) technologies; INALCO carrousels for small and large parts; machining lines for the production of tools and prototypes; prototype plant for foam moulding; thermoforming of carpets and felts; vacuum thermo-napping of thermoplastics; robotic waterjet cutting; ultrasound, thermal and high frequency welding; die cutting; CAD-Catia design; improvements to the manufacturing process of seat foam filling, through innovations in chemical formulations; study and development of new production processes based on the strategies of OEMs (weight, cost, comfort). Dobby and Jackard looms, warp & circular knitting and weaving technologies. Flame/hot-melt lamination and slabstock foams.

Main customers
VW, Opel, Stellantis, Renault, Mercedes, Audi, Nissan, Seat, Skoda, Faurecia, Lear, Magna, Mecaplast, Megatech, Adient, Denso, etc.
Grupo Precisgal, S.L.

Turnover¹  |  Employees²  |  Sales information
--- | --- | ---
⭐⭐⭐⭐⭐ | 🧑‍💼👩‍💼 | Auxiliary value chain

¹ Between 1,500,000 and € 5,999,999  | ² Between 21 and 100 employees

**Company description**

Grupo Precisgal was formed as a company in 2008 as a service provider, specifically engineering services for other companies in the group and for external clients. With continuous training and the application of specialist software, Grupo Precisgal supplies and supplements the various production services provided by the companies in the group (as the initial basis for their activity), although their intention is to expand and increase their services to outside companies. It is important to highlight their direct intervention in regard to the design of assembly lines, inspection facilities, means of control, stamping and machining dies and the preparation of user manuals and documentation, and certification for each one of the products supplied by the Group’s production units.

**Products and services**

Auxiliary services

Engineering

Industrial design.

**Processes and technologies**

Other technologies

**Main customers**

Mecanizados Atlántida, Precisgal Componentes Automoción, Precisgal Utilaje, Comegal, etc.

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**Contact**

**Address and phone**

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Fax: 986 475 001

**Web / Email**

http://www.precisgalgroup.com  
comercial@precisgalgroup.com
Grupo Tecnogap Atlántico, S.L.

Company description

TEGNOGAP is specialized in producing moulded plastic parts by injection. We have 16 injection machines ranging from 50 to 500 tons of clamping force. We count on bi-components and vertical clamp injection machines to produce parts with metal inserts, etc. We have over 12 years of plastic manufacturing expertise in automotive, electronics and aerospace sectors as well as other industries. We provide "turnkey" solutions, from the concept and development of the required tools, to the mass-production and the delivery to the customer under optimum conditions. We are supported by the ISO 9001 and ISO EN 9100 quality certificates.

Products and services

Module or function
- Cockpit
- Front End
- Ground contact system
- Seats

We manufacture in a wide variety of materials: PP, PA, POM, ABS, SAN, PC, PS, PBT, PMMA, TPE, etc. We work with cutting-edge materials in order to improve the product properties. Our parts are placed in the interior (seat protectors, dashboard parts, glove compartment trims) and the exterior of the vehicle (hubcaps, handle trim), and may be technical and decorative parts. In the automotive sector, we supply parts for the B9, M3-M4 and B78 models. We also have projects for Airbus A320. In the electronics field we manufacture tracking products (vehicles and people) and home automation for house comfort.

Processes and technologies

- Assembly
- Plastic shaping

Our machine park consists of 16 injection machines from 50 up to 500 tons. Most of them are from the prestigious brands Battenfeld and Engel. We perform bi-component injection with perpendicular injection to the main spindle. We also have a vertical clamp injection machine for over-moulding metallic inserts or other components. Moreover, we assemble components on the injected parts.

Main customers

Megatech, Faurecia, Hispaplasti, Industrial Recense, Koala Internacional, Aernnova.
**Herlayca, S.L.**

**Company description**

Founded in 1993, Herlayca, S.L. combines 25 years of experience with the most innovative technologies available on the market to design and manufacture machinery and tools. They have a team of professionals and the means to develop their activities along with a modern organization and a team studying problems and providing solutions according to the requirements of each case. They offer functional, safe and reliable turnkey alternatives.

**Products and services**

**Auxiliary services**
- Automation and robotics
- Die-stamping and tools
- Engineering
- Machinery and small integrated lines
- Maintenance and services
- Process outsourcing

- Tools and welding cells (manual or robotised)
- Prototypes or mass-produced parts. General machining
- Leak control templates
- Maintenance of equipment on client’s site
- Prototypes or mass-produced parts. General machining
- Retrofitting of equipment / machinery to meet CE requirements
- Turnkey automation of the equipment and machinery they manufacture
- Automated components assembly equipment
- R&D and innovation projects

**Processes and technologies**

- Assembly
- Metal shaping
- Other technologies

- Precision machining with the following means: conventional and CNC milling machines and lathes; wire and die-sinking electrical discharge machining; flat and universal grinding machines; area with 3D measuring equipment
- Technical office
- Design and construction of special equipment and machinery. Turnkey automation

**Main customers**

Faurecia Emissions Control Technologies, Televés, Gestamp Group, Grupo Antolín and Viza Group.

**Contact**

**Address and phone**

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Local 4 y 5
36312 Vigo
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Fax: 986 422 638

**Web / Email**

https://www.herlayca.es
herlayca@herlayca.com
Company description
Hermes Smart Control is dedicated to the manufacture, design and commissioning of complex monitoring systems for products and/or specific elements in production processes. It monitors physical and chemical parameters to increase efficiency thanks to the real data obtained in the process.

Products and services
Auxiliary services
Engineering

Processes and technologies
Other technologies
Design, manufacture and repair of electronic devices.
PCB design.
Sensor integration.

Main customers
Stellantis, Cie Galfor, Maviva, Hermasa, GKN Driveline.
Hispamoldes, S.A.

**Company description**
Hispamoldes design and develop injection moulds for plastic and aluminium components, addressed to the automotive industry. It is a family run business and the parent company of Grupo Hispamoldes, which brings together various activities from design to mass-production. The group has two plants in Galicia: Hispamoldes (manufacture of medium / large moulds) and Hipaplasti (injection). They also have a plant in Castilla León (Plásticos de Palencia), involved with injection, and since 2012, a small / medium mould factory in Tangier (Hispamoldes Tánger). In 2015 it is planned the inauguration of a new plant, Moldes de México, in Puebla.

**Products and services**

Auxiliary services
- Die-stamping and tools
- Engineering

Design and construction of large-scale moulds for the injection of all kinds of plastic and aluminium components.

**Processes and technologies**

Other technologies
- Mould machining up to 50t using the latest technologies.
- High speed machinery (of 5 and 3+2 axes) with automated tool change.

**Main customers**
SMP, Plastic Omnium, Cefa, Faurecia, IAC, Valeo, Hella, Treves, Visteon, Grupo Antolín and Megatech.

**Contact**

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Fax: 988 012 301

**Web / Email**
http://www.grupohispamoldes.com
info@hispamoldes.com
Hispaplasti, S.A.

Company description
This company is involved with the manufacture of thermoplastic parts by injection as well as with the assembly of auxiliary components. Hispaplasti was founded in 1990 and since 2006 carries out its activity in their modern, well-equipped new facilities, with 5,000 m² of covered area in a total 10,000 m² site. Hispaplasti is part of Grupo Hispamoldes, a family-run business group with 100% Galician capital, which apart from producing thermoplastic components, they also design and build their own moulds. The recent creation of a development department has allowed them to provide a complete service to their clients, from the design of the part through to the product and process validation.

Products and services
Module or function
- Central console
- Cockpit
- Door module
- Driving position
- Engine compartment
- Exterior elements
- Filler pipe
- Front End
- Ground contact system
- Rear end
- Roof
- Seats
- Tanks

- Mass-production of injected plastic parts in a range of sizes (from small assembly clips and fuel pipettes up to wheel arches, dashboards and seat backrests), primarily for the automotive industry.
- Wide range of raw materials utilised (PP, PE, PA, PA GF, PP GF, POM, ABS, etc.).
- Complete project management from numerical definition, monitoring, development, industrialization and mass-production.

Processes and technologies
Assembly
Joining processes
Plastic shaping
- 16 injection machines from 125t to 2,300t, allowing the company to produce parts from a few grams up to 10 kg in weight. Controlled closed circuit water cooling.
- 6 raw material storage silos. Automated plant with centralized treatment of the raw material (dehumidification, drying and pneumatic transport).
- SEPRO precision robots in each machine.
- All types of assembly at the foot of the machinery (welding, assembly, marking, etc.) and within the mould (over-moulding, inserts, etc). hotplate and ultrasonic welding machines; specific assembly machines, poka-yokes and artificial vision.

Main customers
ACS, Autoneum, Faurecia, Trèves Group, Inergy, Lear Corporation, Megatech, Plastic Omnium, SMRC Automotive Interiors Spain, SMP, Trety etc.

Contact
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Fax: 988 384 531

Web / Email
http://www.grupohispamoldes.com
info@hispaplasti.com
Hypnon Programming, S.L.

Company description
This company is born to respond to the new and growing demands of the market of industrial robotics. It's dedicated to providing current and future robotic solutions, both nationally and International level, contributing to the projects the team's extensive experience and know-how.

Products and services

Auxiliary services
- Automation and robotics
- Engineering

Industrial robotics and automation services, off-line/on-line programming, project coordination, cycle time optimizations, consulting and training.

Processes and technologies

Assembly
- Joining processes
- Other technologies

In Hypnon are specialists in industrial robotics. The company solves needs of automation and optimization of industrial processes, improvement of cycle times, off-line and on-line programming, design of programming standards and adapted training.

Main customers
Mercedes, BMW, Volkswagen, Jaguar, Stellantis, Gestamp, GKN, etc.

Contact

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Web / Email
http://www.hypnon.com
info@hypnon.com
Ilunion Servicios Industriales, S.L.

Company description
Ilunion Servicios Industriales Galicia was founded in 1998 as an initiative of the Fundosa Group and started its activity in early 1999. In March 2010 it became 100% part of the Fundosa Group (Once Foundation).
Initially, this Special Employment Centre was focused on the lining and stitching of leather for the automotive industry; in 2006 they opened a second centre dedicated to plastic injection. Currently, and whilst maintaining their previous business lines, they are expanding their activities to include service externalisation. Thus, this company focuses on the industrial field and has three main areas of activity: logistic services, assembly in industrial processes as well as quality, selection and reprocessing controls.

Products and services
Module or function
- Door module
- Driving position
- Seats
Ilunion Servicios Industriales Galicia (Centre I): manufactures car components, steering wheel covers, handles and car seats, selection and re-working. Ilunion Servicios Industriales Galicia (Centre II): plastic injection, the injection and assembly / pre-assembly of sub-components.

Auxiliary services
- Logistics and transport

This company also works in service externalisation: quality control, logistics services, industrial assembly, reworking and selection (recovery of defective parts and components).

Processes and technologies
- Assembly
  - Joining processes
- Plastic shaping
They utilise injection moulding presses (100 – 400 t) and ultrasound welding.

Main customers
Faurecia Automotive (Ourense), Megatech (Amurrio and Ourense), Inplasor and Inplasor Group.

Contact
Address and phone
Centro 1: Rúa Redondela Nº 1 Parque Tecnológico de Galicia Centro 2: Rúa 1, Sector C 2ª Fase Nave 6 Izq
32901 San Cibrao das Viñas
Phone: 988 617 714
Fax: 988 616 149

Web / Email
http://www.ilunion.com/
mrivas@ilunion.com
In late 1993 the company starts its activity in the field of plastic transformation. They are located at the Chorente Business Park, at 15 km from Ourense and they have 4,800 m2 of covered surface in a total 14,000 m2 site.

Products and services

Module or function

Cockpit
Door module
Exterior elements

Incalplas works in the production of the following automotive components: glove-box trim, mounting brackets, sidewalls, steering column halves (lower and upper), radiator grilles, air conduits, carpentry / trim (upper / lower / floor), front and rear glove-boxes, front and rear cross laminated bumpers, half mats, covers, etc.
They also produce replacement parts including: side protectors, glove-boxes and combination reinforcements.
Other Products: Side coverings, fuel tank covers, front covers, doors and panels, covers and fuse panels.

Processes and technologies

Plastic shaping

The company has 14 mono-material injection machines for plastic parts from 250 to 1200t.

Main customers

Faurecia Automotive and Plastic Omnium Componentes Exteriores.
Industrias Abalde, S.L.

Company description
Industrias Abalde S.L. was formed in 1988 with the business plan to manufacture a wide range of carbon steel, stainless steel and aluminium products. Their plant is versatile and has 3 x 5,000 m² units in the A Pasaxe-Vincios industrial estate near to the city of Vigo. They have a highly trained team, certified welders and the latest technology machinery. The quality of their products is backed up by their expertise and many years of experience. They have worked supplying machinery and equipment to the major companies in the automotive industry. At this time, they are in the process of expanding their market and are internationalising the company as part of their pledge to continual improvement.

Products and services
Metallic transformations: laser cutting, punching, folding, saw cutting, welding; profile bending; technical office; logistics warehouse.

Auxiliary services
Machinery and small integrated lines
Process outsourcing

Industrias Abalde’s services are focused on the manufacture of tailor-made products. They work from our clients’ plans, following their indications faithfully. They have a technical office with CAD / CAM systems and IT programs (Autocad, Solidworks) to help in manufacture and they can take orders in Spanish, English or French.

They can work on a range of materials from thin plate to mid-thickness boilerplate and can produce structures, mechanically welded parts and mechanical assembly. Examples of some of their works are: component containers, transport and lifting systems, racks, rising systems, fairings and protectors, staircases and handrails, roto-sieves, presses, tanks, etc.

Processes and technologies
Assembly
Joining processes
Metal shaping
Surface treatments and finishes

– Bending, punching, folding, laser cutting, TIG and MIG manual and robot welding.
– We work closely with other companies in the industrial sector in Vigo to also offer: machining, hot galvanising, blasting, electrical assembly, hydraulic assembly, etc.

Main customers
Lear Corporation, ABB, OTIS, Viza, Borgwarner, Inergy, HTP Industrie, Clemessy, etc.

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Web / Email
http://www.inabalde.com
comercial@inabalde.com
Company description
Since their beginnings in 1947 they have been providing integrated automation solutions for industry. They offer an integrated service from the conceptual idea phase through to final commissioning, including the design and development of the product. The company bases its competitive strategy on the quality of its products, keeping their promises and on the quality of their customer service. The two primary foundations which the company’s evolution are based on are its firm commitment to R&D and continual improvement in their processes.

Products and services

Auxiliary services
- Automation and robotics
- Diverse
- Engineering
- Machinery and small integrated lines
- Maintenance and services
- Process outsourcing

Engineering, development of equipment and integrated production lines.

Processes and technologies

Other technologies
The company has an engineering division which utilises the most advanced design, simulation and calculation systems, the most efficient computer assisted manufacturing equipment and an automation department.

Main customers
Stellantis, Mercedes Benz, GKN, ABB, etc.
Industrias Proa, S.A.

**Company description**
Industrias Proa, founded in 1941, is a paint manufacturer. In 1967 they started to supply the automotive industry, developing and manufacturing paints for bodywork and parts in car plants. Furthermore, they supply paints of all kinds for industrial maintenance, metal decorating and construction. Since 1994 their production site has been on the Gándaras de Prado industrial estate, Porriño.

**Products and services**

**Module or function**
- Boot
- Door module
- Exterior elements
  - Front End
  - Rear end
  - Roof

**Auxiliary services**
- Industrial supplies

Technical assistance and support during the application process of all supplied products. Development and certification of new products.

**Processes and technologies**

**Other technologies**
- Automated raw material and finished product processes.
- Production process control via recirculation or direct manufacture.
- Fully equipped and constantly updated laboratories for research, development and control of paints.

**Main customers**
Stellantis, Maier Ferroplast, Visteon, Crown Cork, L’Oreal, Vinci Construction, etc.

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**Contact**

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**Web / Email**
http://www.pinturasproa.com
antonio.vazquez@pinturasproa.com
Ingeniería Gallega de Sistemas Automatizados, S.L. (Ingalsa)

Company description
Ingalsa is a company dedicated to the design, manufacture and installation of all types of machinery and means of control. Designs and builds machines and manufacturing lines adapted to specific customer needs for the automation process. In all machines and developed automatism assumes full responsibility of the projects, from the design to the launch.

Products and services
Auxiliary services
Automation and robotics
Engineering
Machinery and small integrated lines

The main lines of work are as follows:
• Design and manufacture of special machinery
• Robot systems
• Machine Vision Applications
• 100% control machines
• Process automation

Processes and technologies
Assembly
Metal shaping
Other technologies

It has the following own means to carry out turnkey projects:
• Design engineering
• Department of PLC, CNC, Robotics and Artificial Vision programming
• Section of mechanical manufacturing
• Section of installation and adjustment
• Automatic Department
• Section of control and measurement

It has 300 m² of technical office and a warehouse of over 1,000 m² with 5 axles and 3 axles machining centers, milling machines, lathes, grinders, etc. It performs machining in 5 axles CAM with NX CAM 9 software. It has a heated metrology room with three dimensional CNC.

Main customers
TRW, Delphi, Faurecia, Akwell Vigo Spain, Visteon, etc.
Company description

Engineering company focused on additive manufacturing and product development. It offers solutions for additive manufacturing both in the manufacture of parts and in the development of new solutions or the implementation of manufacturing systems in the plant. Nort3D is a specialist in solutions for optimized supports, claws and end-of-arm elements. Nort3D is a specialist in 360° solutions in the optimization of products / processes from the acquisition of data by 3D scanning, the engineering or reengineering of the product or accessory element to its unit manufacture or in short / medium series.

Products and services

Auxiliary services

- Diverse
- Engineering
- 3D scanning.
- Reverse engineering.
- Dies and tools.
- Additive manufacturing.

Processes and technologies

- Plastic shaping
  - Extensive additive manufacturing machinery in polymeric materials with the most innovative technologies on the market (FDM, SLA, SLS, etc.).
  - Equipment for the production of flexible elements in short or medium series using thermosetting resins.
  - Workshop for adjustment, assembly and control.
  - Non-contact 3D scanning equipment with MCC, portable arms or computed tomography.
  - Reverse engineering and on-site measurements.
  - Additive manufacturing in metallic materials (316L stainless steel, aluminum, inconel, etc.).

Main customers

GKN Driveline, Aludec, BorgWarner, ZF-TRW, Marsan, Denso TS, Esypro, Gestamp, Utingal.

Contact

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Phone: 986 078 130

Web / Email
http://www.nort3d.com
info@nort3d.com
Inoxidables Fegosan, S.A.

Company description
Inoxidables Fegosan was founded in 1964, and worked in stamping and manufacturing cutlery. In 1974 the company moved into the automotive industry, working as an OEM for Citroën and General Motors. In 1988 they started to work with Dalphimetal España and Silenciadores PCG, strengthening their position as an automotive auxiliary, manufacturing components for steering wheel frames and exhaust pipes. Currently, its strategy involves the promotion of stamping activity, in addition to complementary processes for the manufacture of small modules and sub-assemblies, highlighting the areas of welding, assembly by manual resistance, robotized and MAG welding.

Products and services
Automotive Stamped Metal Parts

Processes and technologies
Joining processes
Metal shaping

Joining processes: Welding and insertion of components.

Main customers
Faurecia Group, ZF Group, Grupo Antolin, Lear Corporation.

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Web / Email
http://www.ifegosan.com/
fegosan@ifegosan.com
Company description
Since 1997, Inplasor Galicia S.L. has been involved with the manufacture of plastic components, assembly of plastic components and development of moulds. They are ISO/TS 16949, ISO 90001:2008 and ISO/14001 certified and also have several quality agreements with automotive customers, which allows them to directly serve the end customer.

Products and services
Module or function
- Boot
- Central console
- Cockpit
- Door module
- Engine compartment
- Exterior elements
- Front End
- Lights, signalling and visibility
- Rear end
- Roof
- Seats

Auxiliary services
- Die-stamping and tools
- Logistics and transport

- Injection moulded and overmoulded plastic parts from a wide range of materials (PP, ABS, PC, ABS/PC, PA, acetyl resin, TPE, EPDM, etc.). Examples: doors and door liners, glove-boxes, ashtrays and cup holders, dash components, speaker grilles, climatization and sound proofing system components, etc.). Overmoulding plastic onto aluminium.
- Assembly of aerators for the X84, B58 and B57 vehicles and air conduits assembled with insonos.
- Assembly of ashtrays and cup holders for the NCV2.
- Plastic parts covered with leather via gluing (eg. B78 consoles, etc.).
- Injection of parts for the food industry.
- Plastic corners for packaging, electrics, electronics, construction, aviation, etc.

Processes and technologies
- Assembly
- Joining processes
- Other technologies
- Plastic shaping

The company has the following lines and means of production: 18 fully equipped robotic plastic injection machines (80 – 800t); aerator assembly lines with presence sensors and poko-yokes (X84, B58, B78); assembly lines; gluing leather to plastic components (e.g. B78 dashboards); assembly of ashtrays and cup holders (NCV2); plastic injection over aluminium; design and development of plastic injection moulds.

Control methods: 3D vision, feeler gauges, callipers, micrometers, balances, etc.

Other tools used: ERP system, EDI system for exchanging data with clients / suppliers, quality agreements to deal directly with the end client, various packaging and labelling options according to the logistics destination and control labels which ensure the quality and traceability of each product.

Main customers
Faurecia Automotive España (Ourense, Tarazona), Faurecia Interior Systems (France), Denso Sistemas Térmicos (Vigo), ACS Ibérica (Ourense), Ascensores Enor and Aiadesa Group (Alicante).
Inprosec Auto, S.L. (InprOTech)

Company description
This company was born in 2017, as a division of the parent company Inprosec, with the aim of verticalizing its service portfolio and guiding it to the new technologies of Industry 4.0 in the field of the automotive sector. It offers cybersecurity consulting and auditing services from a logical and strategic point of view, covering the security needs of companies and which represent a challenge to guarantee integrity, confidentiality and availability in industrial environments. In addition, InprOTech has an I + D + i department dedicated to developing products aimed at improving cybersecurity in industrial environments.

Products and services
Auxiliary services
Diverse

InprOTech offers audit and consulting services for industrial cybersecurity with proprietary methodologies based on standards such as ISA / IEC 62443 and NIST SP 800-53 and 800-82. In addition, it offers consulting services based on specific regulations for the automotive sector with the VDA-ISA standard.

Processes and technologies
Other technologies
InprOTech develops a product aimed at industrial cybersecurity in charge of managing and analyzing all the events that occur in an industrial environment and that may compromise business continuity.

Main customers
Aludec, Emenasa, Adhex, Coren, Cofano and Tromosa.

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Web / Email
http://www.inprosec.es
info@inprosec.com
Isega Technology, S.L.

Company description
Isega Technology is part of ISEGA Group, which was born as a result of an alliance among a group of complimentary companies with over 30 years of professional experience. Being market leaders in electricity, telecommunications, security, hydraulics, machinery, engineering as well as integral maintenance services, they decided to take up the challenge and become a multi-service company in order to meet the growing demand for outsourcing services from private companies and public bodies. With headquarters in Porriño and delegations in Santiago de Compostela, Tangier (Morocco) and Lima (Peru), Isega Group carries out projects in more than ten countries across the world.

Products and services
Auxiliary services
- Automation and robotics
- Diverse
- Engineering
- Maintenance and services

Isega technology provides the following services: engineering, industrial automation, industrial electric installations and maintenance.

Processes and technologies
Other technologies
Design and manufacture of palletising machinery, transport, washing tunnel for packaging and water treatment equipment.

Main customers
Bosch Rexroth, Antolin Lusitania, Lear Corporation Pontevedra, Maier Ferroplast, Benteler, SMRC Automotive Interiors Spain, Gestamp, Faurecia, etc.

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Web / Email
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info@isega.es
Company description
Itera is a technology-based business initiative (IEBT, Xunta de Galicia) that originates from the CIMA research group, belonging to the Higher School of Engineers of the UVigo. The company started offering technical services of high added value, with the development of proprietary technologies and homologation as a supplier in multinationals such as Stellantis and Grupo Renault (of which it owns COFOR number), and evolved towards the construction of capital goods. In this sense, it has registered trademarks of, for example, mechanical components for the treatment of viscous fluids (HYMANN-GUSTAVSSON), as well as own technology of artificial vision (Merasys).
Although throughout history Itera has worked in a large number of sectors, currently 90% of its turnover is focused on the automotive sector.
Itera is part of a business group composed of: Engineering and Control Merasys, Enxenia and Itera Maroc (Installations Techniques du Detroit). The latter company recently emerged due to the high demand in Morocco after the implementation of several automotive factories that required their suppliers to be installed in the country.

Products and services
Auxiliary services

- Automation and robotics
- Engineering
- Machinery and small integrated lines
- Maintenance and services
- Process outsourcing

Company dedicated to industrial process engineering, specializing in non-contact inspection processes. It has facilities operating in almost all stages of the production process of the car (fermentation, assembly, painting, etc.), as well as in some TIER1 vehicle parts manufacturing, such as the production of foam for seats.

Processes and technologies

- Assembly
- Electrical material
- Other technologies

Service based on the improvement of the industrial process, including the development and construction of special equipment goods. Specialized in non-contact inspection systems and with proprietary technology that includes hardware (developed and built in internal) and software. The team is fundamentally technical, with 75% of the workforce being engineers, supported by other intermediate technicians and administration personnel.

Main customers
Stellantis, Grupo Renault, Grupo Copo.
Izmar Automotive

**Company description**

Izmar Automotive, is part of the MV Group; it is an industrial company which specializes in metal transformation for various industrial sectors and in the development of new products for the companies which make up the group. They have over 30 years of experience in the automotive industry and one of their main clients is Stellantis. They also supply a number of auxiliary companies in this sector in and around Vigo. Their main activity in the automotive industry is the design and manufacture of trolleys, containers and industrial furnishings.

**Products and services**

- **Auxiliary services**
  - Diverse
  - Engineering
  - Logistics and transport
  - Maintenance and services
- **Processes and technologies**
  - Joining processes
  - Metal shaping
  - Other technologies
  - Metallic transformation.
  - Engineering department and technical office with the most advanced tools on design and 3D simulation.
  - Technical staff, such as engineers, draughtsmen and decorators involved in the projects development, work together with welders, boilermakers, mechanics, electricians, carpenters, construction workers, etc. in charge of their execution.
  - 3D printing

**Main customers**

Stellantis, Seat, Volkswagen, Mercedes, Nissan, Ford, Iveco, Benteler, Bosch, Denso, Faurecia, Gefco, Gestamp, Antolin Group, Copo Group, HBPO, Inergy, Marsan, Megatech, Plastic Omnium, SMP, Snop, TRW, Visteon and Viza.

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Kaleido, Ideas & Logistics

Company description
Multinational specialising in global logistics with headquarters in Vigo and offices in Spain, Portugal, Mexico, Brazil, Argentina, Morocco, Angola, South Africa, India and China. Kaleido, thanks to its experience and logistic resources together with its R&D and innovation division, provide its customers with innovative solutions which range from software development to the implementation of Self Driving Vehicles (SDVs) technologies. Kaleido Supply Chain Management (Kaleido SCM) is the area specialising in transport logistics, warehousing and added value services. They have extensive and proven experience implementing integrated management systems and supply chain process standards. They offer tailored solutions either at their facilities or at the customer’s ones, both in the Iberian Peninsula and abroad, placing special attention on the value contribution.

Products and services

Auxiliary services
Diverse
Logistics and transport

KALEIDO SCM covers the complete cycle of needs, from transport, customs dispatch and warehousing to added value logistic services (quality inspection, revisions, etc) in compliance with the customers requirements and specifications. Services:
- Warehousing with the possibility of customs, non-customs and temporary warehouse.
- Customs services
- Externalisation of in-house logistics
- Goods transport
- Goods insurance
- Added value logistic services (picking and re-packing; reworking)
- Logistic consulting solutions (evaluation and design of turnkey logistic projects, design and organisation of warehouses, design of stock control systems, etc.)

Processes and technologies

Other technologies
KALEIDO holds the following certificates: AEO (Authorised economic Operator), ISO 9001, 14001 and 166.002, EMAS, IATA, BIMCO, OHSAS and TRACE (anti-bribing). They provide advice on re-engineering processes, computing and innovative logistic alternatives, designing individual and immediate solutions.

Their most recent developments include:
- KARBONTRACK: tool for measuring greenhouse gas emissions in logistic projects.
- Indoor positioning system for the methods-time measurement, historic record of routes, heat map, unusual performance detection, etc.
- Tailored software development in warehousing and production environments.
- Implementation of Self Driving Vehicles (SDVs) and fleet smart management software.
- Centralised platform to integrate conditions and freight positions.
- Tool for monitoring and reporting greenhouse gases emissions linked to logistic projects.

Main customers
TRW, Borgwarner, Denso and GKN.

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Láser Galicia, S.L.

Company description
Láser Galicia is a benchmark company for laser cutting, folding and welding of metal sheet and tubes in the northwest of Spain. This company, equipped with the most advanced technologies in the sector and located in the “A Granxa” industrial estate in Porriño, is backed by the experience of the Láser Ebro Group, national leader in laser cutting. Láser Galicia has the ISO 9001:2008, IATF 16949, IAQG 9100, EN 1090-2, EN 1090-3 and ISO 3834-2 quality certifications, awarded by AENOR.

Products and services
Auxiliary services

Process outsourcing

Laser cutting: carbon steel, inox, aluminium (25 mm), copper and tin (10 mm).
Tube cutting: 250 mm of max. diameter; 4500 mm of max length; and 10 mm of max. thickness in carbon steel, 6 mm in stainless steel and 5mm in aluminium.
Folding: up to 4 metres and 320 tonnes.
Welding: carbon steel, inox and aluminium.
Possibility to supply the finished part with the required surface treatments (painting, hot-dip galvanising, anodising, zinc coating, etc.). From prototypes to small, mid-sized and large series manufacturing.

Processes and technologies

Joining processes

Metal shaping

9 laser cutting machines – both CO2 and fibre lasers.
11 CNC folding machines, which are fully automated and programmed by a 3D CAD system. Boilermaking area with certified welders (manual TIG, MIG & MAG welding and automated welding).
Tube cutting centre (with a 45º bevel cutting option).

Main customers
Láser Galicia’s products are distributed to a wide range of companies dedicated to mechanical production, the most important being the automotive industry auxiliary companies.
Company description
Lear Corporation Pontevedra started life in 1952 meaning that they have more than 50 years of industrial experience and tradition. In 2001 they were bought by Grupo Accionarial Antolín and at this point they started a new stage of growth and improvement; a move which brought about a general reorganization of the company in the search for greater efficiency.
In April 2017, Lear Corporation acquired the Antolín Group Seat Unit, forming part of a leading global company with great experience in quality and innovation.
With two plants, one in Porriño and the other in the north of Portugal, their activity is 100% focused on the automotive components industry. Lear Corporation Pontevedra is characterised by having its own development and industrialisation as well as the production of metal components in a range of technologies: profiling, ribboning, stamping, bending and welding. The company is oriented to customer satisfaction. Innovation is one of the pillars of the company’s strategy; their leadership and guaranteed future-proofing guarantee products with high added value.

Products and services

- **Module or function**
  - Boot
  - Door module
  - Driving position
  - Exterior elements
  - Front End
  - Rear end
  - Roof
- **Joining processes**
- **Metal shaping**

Processes and technologies

As for innovations, it is worth noting that Lear Corporation Pontevedra has developed: new profiling processes in collaboration with suppliers and technology centres; a new concept of load separators for Groupe PSA, suppliers and technology centres; and a new solution for anchoring and sliding of door guides.

Main customers
Stellantis, Renault, Daimler, General Motors.
Company description

Grupo Antolín is a global supplier of automotive interior components that offers its customers a complete service from conception to design, development, manufacture and distribution of roofs, doors and seats. This Spanish multinational operates in 25 countries and has over 120 plants and 25 technical/commercial offices. The Group has the teams and the most advanced technologies which are easily integrated into the working structures of their clients, accompanying them in their projects worldwide, providing them “in situ” products and services of the highest quality. Lear Corporation Vigo started out 2005 with the aim of manufacturing the seats for the Citroën C4 Picasso (second and third rows). Currently, they manufacture the second and third rows of seats for the new Citroën C4 Picasso. The company has facilities covering a total of 23,000 m2 with 10,000 m2 used for production and around 1,400 m2 of offices.

Products and services

Module or function

Seats

- The company’s main activity is the manufacture of the 2nd and 3rd row seats for the New C4 Picasso; they are assembled in Syncro and then supplied to the Groupe PSA Vigo factory. The seats can be manufactured with the following features: fold-down, sliding, comfort (backrest angle adjustment) and “cinema” function (the cushion lifts up against the seat increasing the space in the rear of the vehicle), amongst others.
- There is also a second line of products which consists of subcomponents which are used in both the C4 Picasso and the Peugeot 5008. In this aspect, the company operates as a logistics and adaptation centre prior to the parts being sent to the end client, Johnson Controls in Neuenburg am Rhein (Germany). Both products have a range of textile coverings meaning that the possible number of finishes is doubled.

Processes and technologies

Assembly

The production area has 4 principle manufacturing lines (where the various components which make up a seat are assembled) and one auxiliary line with two assembly posts for the manufacture of the "Faux Plancher" which is a subcomponent of the row 2 seats. These lines are “stop and go” as they stop in pre-set positions so that the operator can do their part of the assembly. Once they finish, after a pre-set time, the line moves forward bringing the next seat to the post. The assembly tools have a memory card which stores the data needed for the manufacture of each seat as well as traceability data. These assembly tools also perform the necessary movements to eliminate the need to remove the seats to auxiliary work posts. The factory works on a JIT basis and their work runs in parallel with the production rate of the new vehicle.

Main customers

Stellantis.

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Company description
Ledisson A&IT offers solutions for automation needs, being specialised in online and offline robot programming (Fanuc, ABB, Kuka, Yaskawa, etc.) and also of PLCs (Siemens, Rockwell, etc.), cycle time optimisation in production lines, drafting of robot documents and robot line analysis. The company has carried out projects all around Europe for the main OEM’s and Tier1 / Tier 2 suppliers, such as Volkswagen, Skoda, Opel, Ford, Mercedes – Benz and Gestamp. Ledisson A&IT is also working on projects with collaborative robots (cobots), such as Universal Robots and KUKA LBR IIWA.

Products and services
Auxiliary services
Automation and robotics

Offline and online robot programming service for handling, welding, gluing and clinching (of the brands KUKA, ABB, FANUC, Yaskawa, etc.) and PLCs programming (Siemens S7, Rockwell etc.).

Processes and technologies
Other technologies
Robotics and PLCs

Main customers
Volkswagen, Skoda, Mercedes-Benz, Gestamp, Kuka Systems, ABB, TMS, EDAG-FFT and Airbus.
Company description
Company that develops VLC technology applied to the automotive sector using the devices that currently exist, such as the headlights of vehicles adding new safety features.

Products and services
Module or function
  Engine electronics
  Lights, signalling and visibility

Manufacture of electronic parts for vehicles.
Auxiliary services
  Automation and robotics

In negotiation for the manufacture of products for a Tier 1 supplier.

Processes and technologies
  Assembly
  Other technologies

Communications through the vehicle headlights for new features such as IoT safety and for the production chain as a final diagnosis system.

Main customers
Farba, Otokar
Company description

Little Electric Cars develops, industrialize and market 100% electrical vehicles. They started up in 2010 with a factory in Mos. This company was created in response to the concerns of a group of automotive professionals, keenly aware of the need for environmental conservation. The components which their vehicles are made from are assembled in their factory meaning that they can be customized to the client’s wishes. The company provides a clean alternative for travel in cities and coastal areas, both for individuals and for on-site fleets for companies with large sites, industrial estates or natural areas such as forest parks and zoos.

Products and services

Auxiliary services

Diverse

Little design, manufacture and market 100% electrical vehicles from their site in Mos, using European components. Currently, they make 2 models:
- The Little4: utility vehicle perfect for urban journeys. It can be made in cabriolet, vintage or commercial versions.
- The Ebox: launched in 2012 it is aimed at on-site fleets for companies with large sites, industrial estates or natural areas such as forest parks and zoos. The Ebox comes in 2 and 6 seat versions.

The philosophy of the company is to give the customer the product that they want. With this in mind they have created “The Factory”, a unique personalisation service (fleet painting, accessories, adapted design and bodywork, artist decorated, etc.). This means that the client will have their own unique model.

Processes and technologies

Assembly

The design department creates a sketch of the vehicle which is then produced by the manufacture and assembly department. Through their rigorous quality control processes the company can produce their own technical data sheets. The entire manufacture process can be carried out in Little’s premises.

Main customers

Iberdrola, Inditex, Empresa Cubana de Aeropuertos y Servicios Aeronáuticos (Ecasa), Mancomunidad Sureste de Gran Canaria, Zoológico de Viena, Parque Natural de Monfragüe, Realvi, Transimport, etc.
Lupeon, S.L.

Company description
This company specializes in the integration and development of innovative solutions and processes through additive manufacturing or 3D printing.

Products and services

Module or function
- Boot
- Brakes and steering
- Door module
- Driving position
- Engine
- Engine compartment
- Engine electronics
- Exhaust and manifold
- Exterior elements
- Filler pipe
- Floor coating
- Front End
- Ground contact system
- Lights, signalling and visibility
- Rear end
- Roof
- Seats
- Tanks
- Transmission

Auxiliary services
- Die-stamping and tools
- Engineering

Optimization engineering of robotic claws or manipulators of automotive systems processes in production lines; Reverse engineering product development; Design engineering and structural optimization of parts for manufacturing using industrial 3D printing.

Processes and technologies

Other technologies
Additive manufacturing in metallic materials (steel, aluminum, titanium, inconel), polymeric (nylon, abs, composite, carbon) and specific software of additive manufacturing design and FEM structural optimization.

Main customers
ZF, Borgwarner, Stellantis, GKN Driveline, Denso, Benteler, Gonvarri, Gestamp, etc.
Magna Seating Vigo, S.A.U.

Company description
This company, founded in 1945 as a metal workshop, has grown and internationalised to become a dynamic and reliable supplier, offering their clients innovative solutions. As a development supplier, Magna covers all the stages of design, validation and industrialisation of a wide range of products. They primarily specialise in seating structures, instrument panel supports, seating mechanisms and stamped parts.

Products and services
Module or function
- Cockpit
- Seats
  - Frames: design, development and industrialisation of seat frames (rows 1, 2 and 3).
  - Cross car beams: design, development and industrialisation of instrument panel supports.
  - Stamped parts: internal supply and to clients of small welded substructures.
  - Mechanisms: design, development and industrialisation of latches and height adjusters.

This company offers its clients a development team to provide service in all phases of design and conception, as a complementary service to the industrialisation process. Furthermore, in collaboration with CTAG, they cover the FEA and validation phases.

Processes and technologies
- Assembly
  - Metal shaping: stamping, tube and rod bending.
  - Joining processes: welding (MAG, laser, resistance), riveting, end forming.
- Surface treatments and finishes: degreasing, electrophoretic painting, powder painting.
- Assembly: assembly, fixing and functional verification.

Main customers
Audi, Citroën, Dacia, Faurecia, Grupo Antolín, Johnson Controls, Lear, Mercedes, Peugeot, Porsche, Renault, Toyota, Visteon and Volkswagen.

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Maier Ferroplast, Sociedade Cooperativa Galega

Turnover 1  Employees 2

Sales information

Main value chain Tier 1

1 From € 18,000,000 · 2 Between 191 and 250 employees

Company description

Maier Ferroplast S.Coop is a cooperative which belongs to the Maier S.Coop. Group. It is the largest industrial cooperative in Galicia. Its strength lies in its staff involvement, where the workers are partners of the company too, with a high level of commitment and participation in the company decisions and results. They are specialists in the decoration of plastic parts and the manufacture of highly complex functional plastic components.

Products and services

Module or function
- Boot
- Central console
- Cockpit
- Door module
- Driving position
- Exterior elements
- Filler pipe
- Parts with aesthetic finishes achieved with high gloss paints and laser technology.
- High gloss bi-material injection moulded parts.
- Injection and assembly of highly complex functional technical parts.

Processes and technologies

Assembly
Plastic shaping
Surface treatments and finishes
- Injection machinery: 20 mono-material and 8 bi-material presses. 6 of them from 100 to 300t; 8 from 300 to 500t; 10 from 500 to 1000t; and 4 from 1000 – 2300t.
- 2 painting lines.
- 3 laser machines.
- 2 assembly areas.

Main customers

Stellantis, Visteon, General Motors, Dalphimetal, Mercedes, Antolin Group, Faurecia, IAC Group S.L.
Mantenimientos Industriales Sulcer, S.L.

**Company description**
Mantenimientos Industriales Sulcer was founded in 1994 with the aim of providing a repair and maintenance service for industrial machinery and equipment to several companies in the province of Pontevedra (Galicia). They carry out their activity in different sectors, such as the naval and automotive industries.

In 1998, Mantenimientos Industriales Sulcer started to provide metal cold stamping services, mainly for the Galician automotive industry. Since that date, the company has the equipment necessary to meet the needs, in terms of quality and production, of the major companies in this sector. The company also starts to sell industrial machinery (mechanical, hydraulic and eccentric presses, lathes, milling machines, etc.) across Spain.

**Products and services**
- **Module or function**
  - Door module
  - Front End
  - Rear end
- Components and metallic sets with or without coating, manufactured by stamping process and assembly;

- **Auxiliary services**
  - Machinery and small integrated lines
  - Maintenance and services

- Repair and maintenance of machinery and industrial equipment (specialization in presses)
- Conception and manufacture of stamping tools as well as assembly and control equipment

**Processes and technologies**
- Assembly
- Metal shaping

- Metal cold stamping using stamping presses from 10 to 500t with automatic or manual feeding system.
- Assembly and dismantling of high tonnage stamping presses.

**Main customers**
Lear Corporation, Gestamp Portugal, Inergy Automotive, Rodinor and Maximino Seoane.

### Sales information
- **Main value chain Tier 3**
- **Auxiliary value chain**

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Marsan Transformaciones Superficiales, S.L.

Company description
MARSAN group is specialist in surface coatings for the automotive sector, with protective, functional and decorative purposes. Additionally, they give support on metallic transformation, assemblies and delivery logistics. The Group has its own technological center, “M-TECH”, and production plants in Spain (Vigo), Portugal (Valença) and Mexico (Celaya and Villagran).

Products and services
They produce a wide variety of parts (addressed to different areas of the vehicle), which incorporate stamping, welding and assembling technologies and may be applied protective surface coatings.

Auxiliary services
- Coatings: electrodeposition, powder and liquid painting.
- Metallic transformation: from design engineering, manufacture and fine tuning of stamping and welding tools, to 1st samples approval, 1st pre-series and mass-production.
- Assembling: clipping, noise reduction and parts assembly.
- Logistics optimisation
- M-TECH: R&D&i projects and advice to customers.

Processes and technologies
- Electrodeposition line (maximum part dimensions: 2400mm x 600mm x 1600mm); Power and Free transporter of 265m long; stainless steel spray pre-treatment tunnel (TTS): 9 stages and Phosphate coating (microcrystalline, tricatronic).
- Powder painting line (maximum part dimensions: 1600mm x 500mm x 1600mm); Power and Free transporter of 283m long; stainless steel spray pre-treatment tunnel (TTS): 9 stages and Phosphate coating (microcrystalline, tricatronic).
- Progressive stamping presses (2X 400t / 1x 250t / 2x 160t) and manual presses (40 to 200t)
- Welding equipment (spot, TIG and electro-welding).

Main customers
Lear, Benteler, Snop, Antolin, Inergy, Akwell, Viza, Gestamp, ACS, Borgwarner, P.O., Estamp. Rubí, GKN, etc.
Company description

MATRIGALSA is a Galician company with a strong track record in the Spanish industrial sector that focuses on the means of production to adapt to the latest technologies and current market conditions. It focuses on different areas that provide complementary services:
- Design and manufacture of aluminium and magnesium die casting moulds
- Management of plastic moulds with LCC support
- Moulds maintenance (plastic moulds, die casting, ...)
- Tooling and coils for induction heating

Products and services

Auxiliary services

- Die-stamping and tools

They manufacture high pressure die casting moulds for technically complex aluminium and magnesium automotive parts, such as gear boxes, oil sumps, etc. They also manufacture sand core moulds and low pressure injection die casting for high-end vehicle suspension systems. Additionally, Matrigalsa has machinery for specific machining processes.

Processes and technologies

- Metal shaping
- Wire-cut EDM and spark erosion machines
- Fitting presses
- CNC turning and grinding of internal, external and plain surfaces.

Main customers

Nemak, TRW, Lear, Cie Automotive, GKN, Fundiciones Inyectadas Alavesas, Renault, etc.
**Company description**

Maviva is a company with 100% capital from Vigo which belongs to the Maviva Group. The company provides tailor-made logistic services, specializing in providing SCM (supply chain management) solutions, integrated logistics and flow coordination towards automotive assembly lines. Their main assets are the professionalism, commitment and experience of their workforce, enable to develop and run any logistic project their clients may require, offering flexibility and adaptability at all times. Maviva guarantees their customers a high quality service, full traceability in the logistic processes, reliability in deliveries, immediate response and close collaboration.

**Products and services**

**Auxiliary services**

- **Engineering**
- **Logistics and transport**

The company is specialist in logistic solutions, providing support in one or various stages of their clients’ supply chain, such as supply, transport, storage, packaging, distribution and even some activities in their production process. Furthermore, Maviva provides logistic consulting services to their customers with the aim of improving processes. Thanks to the fact that operations are managed and monitored using their own infrastructures, technologies and information systems, they are able to offer the best solution to their clients.

**Processes and technologies**

**Other technologies**

Maviva has its own management system, which allows them to provide their clients with tailor-made solutions and to manage all the means used to ensure the security of processes. The company internally develops all the necessary specific controls to ensure a reliable service and provide their clients with all the necessary information, in the format most adequate to their needs. Other services offered by the company are: components management, development of machinery and means of supply (carts for sequence deliveries, packaging, etc.), assembly processes, modular synchronous, etc.

**Main customers**

- Stellantis
- Saint-Gobain
- Antolin Group
- MCSyncro
- Yazaki
- Valeo
- Pilkington
- Delphi
- Constellium

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Company description
MCSyncro is a joint venture of Michelin Continental and was established in 2001 with the aim of commercializing mounted assemblies of wheels and tyres for cars, trucks and, in general, all kinds of vehicles.

Products and services
Module or function
  Ground contact system
Commercializing mounted assemblies.

Processes and technologies
Assembly
It has three automatic assembly lines and two automatic sequencing tapes.

Main customers
Stellantis, Renault España.
Mecanizados Atlántida, S.L.

Company description
Mecanizados Atlántida S.L., founded in 1987, specialises in the design, assembly, construction, programming and commissioning of components assembly lines for the industry in general and specifically for the automotive industry. Although their market was initially only local, over the last few years they have expanded into international markets, currently exporting to all continents; this is one of the hallmarks of Mecanizados Atlántida. Their capacity and experience in components assembly (mainly metal parts) has allowed them to be involved in highly complex projects with a high level of robotization and the assurance of high product quality requirements to meet the needs of each specific industry.

Products and services
Auxiliary services
- Engineering
- Machinery and small integrated lines

- Capital goods and assembly lines.
- Grease dispensing equipment.
- Computer vision control equipment
- Specific inspection and poka-yokes systems

Processes and technologies
- Assembly
- Metal shaping
- Other technologies

Capacity to design, construct, automate and install components assembly lines

Main customers
GKN Group, AAM International SARL, Universal Balancing Ltd, DHB Industria e Comercio S.A.
Mecanizados Castro Galicia, S.L.

Company description
Mecanizados Castro Galicia, created in 1996, is dedicated mainly to the development and manufacture of specific solutions for the improvement and automation of industrial production processes for the automotive sector.

Products and services

Auxiliary services

Machinery and small integrated lines

It develops custom solutions for assembly, verification and component manufacturing. It has a department of own design to create the machinery adapted to each need, according to the specifications of the client. It also has the necessary equipment for the manufacture and assembly of both manual and automated machines. This company has means for the machining of short series for automotive customers.

Processes and technologies

Other technologies

It has: technical office (department of mechanical design), production (machining workshop) and assembly (assembly area and machinery station).

Main customers
Grupo Maier, Grupo Antolín y Grupo Ezquerra.

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Mecanizados Rodríguez Fernández, S.L. (MRF)

Company description
Mecanizados Rodríguez Fernández, S.L. was founded in 1966 in the province of Ourense and is mainly involved with the manufacture of industrial bodywork accessories. They have wide experience in the design, development and manufacture of new metal products, mainly in stainless steel.

Products and services

Auxiliary services

- Die-stamping and tools
- Diverse
- Process outsourcing

- Manufacture of metal parts in stainless steel (AISI 304, AISI 316) and carbon steel by sheet metal forming process
- Welding of all kind of parts using TIG and MIG technologies. Robotic welding.
- Specialists in surface treatment by sandblasting and polishing of stainless steel parts.
- Technical department with great experience in the design of new products and their adaptation to the manufacturing processes.
- Design and manufacture of dies and all kind of tools for their own manufacture or for third parties.

Processes and technologies

Joining processes
- Metal shaping
- Surface treatments and finishes

The main processes utilised at the MRF plant are:
- Stamping
- Bending
- TIG and MIG welding
- CNC
- Laser cutting
- Sandblasting
- Polishing.

Main customers
Chereau, Humbaur and Lecitrailer.

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Megatech Industries Orense, S.L.

Company description

Megatech is an international automotive supplier, specialised in the development and production of systems, modules and plastic components for the interior and exterior of passenger cars, vans and commercial vehicles.

Products and services

<table>
<thead>
<tr>
<th>Module or function</th>
<th>The activity carried out by the Megatech plant in Ourense is focused on 7 different groups:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boot</td>
<td>• Modules (central consoles, roof consoles, electronic boxes, etc.)</td>
</tr>
<tr>
<td>Central console</td>
<td>• Interior parts (pillars)</td>
</tr>
<tr>
<td>Cockpit</td>
<td>• Seat components</td>
</tr>
<tr>
<td>Door module</td>
<td>• Exterior parts (cowl top, water box cover, mudflaps, wheel covers, rear axle covers)</td>
</tr>
<tr>
<td>Engine compartment</td>
<td>• Door panel components</td>
</tr>
<tr>
<td>Exterior elements</td>
<td>• Dashboard components</td>
</tr>
<tr>
<td>Front End</td>
<td>• Electronic components (for other industries)</td>
</tr>
<tr>
<td>Rear end</td>
<td></td>
</tr>
<tr>
<td>Roof</td>
<td></td>
</tr>
<tr>
<td>Seats</td>
<td></td>
</tr>
</tbody>
</table>

Processes and technologies

| Assembly            | • Plastic material transformation via injection moulding (conventional injection, low-pressure back injection (IMD), 2K injection, 3K injection, multi-colour injection, gas and water injection). Presses up to 2,300 t. |
| Joining processes   | • Processes, industrialization: laser cutting, wrapping, ultrasonic welding, modular assembly, vacuum plating, painting, assemblies |
| Plastic shaping     | |
| Surface treatments and finishes | |

Main customers

Car manufacturers: Volkswagen, Audi, Skoda, Seat, Porsche, Bentley, General Motors, Mercedes Benz, BMW, Mini, Rolls Royce, Peugeot, Citroën, Toyota Peugeot Citroën Automobile (TPCA), Kia, Hyundai, Renault and Honda.
Tier 1 suppliers: Johnson Controls, Valeo, Faurecia, Plastic Omnium, Antolín Group, Mahle, Magna and Automotive Lighting.
Other customers outside the automotive sector: Bosch and Schneider Electric.
Meycatec, S.L.

Company description
Boilermaking and machining of parts of all kinds of materials: iron, stainless steel, bronze, nylon, aluminum, etc. for the automotive and naval sector.

Products and services
Module or function
- Boot
- Door module
- Driving position
- Engine
- Exhaust and manifold
- Exterior elements
- Floor coating
- Front End
- Ground contact system
- Lights, signalling and visibility
- Seats
- Tanks

Manufacture of different types of parts: chassis, bar sets, small parts such as hinges, trims, bushings, etc.

Processes and technologies
- Joining processes
- Metal shaping
- Plastic shaping
- Surface treatments and finishes

Main customers
Carrocera Castrosua, Castro Carrocera, Castro Inversión y Desarrollo, Fundivisa, Thune Eureka, Prefabricaciones y Contratas.

Contact
Address and phone
C/ Pedroso 12, Bamio
36618 Vilagarcía de Arousa
Phone: 986 500 590

Web / Email
http://www.meycatec.com
meycatec@meycatec.com
Movelco Mobility, S.L.

Company description
Movelco develops, industrialises, manufactures, distributes and sells the widest range of 100% electric vehicles. The company prides itself on its vast experience in the field of sustainable mobility. The company offers its clients professionalism and experience, confident that they can meet all their requirements. Movelco is supported by a strong industrial structure and is owned by the most prestigious electric vehicle manufacturers in the industry and by a group of leading companies in the marketing and after-sales service in the automotive industry. They also provide the most advanced and comprehensive support and after sales service on the market.
Movelco is also an electrical mobility consultancy that provides support services for sustainable logistic requirements. They provide customized solutions adapted to the specific problems of each client.

Products and services
Auxiliary services
Diverse

Movelco has two working divisions:
- In one hand, they offer a wide range of electric vehicles, from motorbikes and off-road vehicles, to 4×4 vehicles, industrial vehicles, passenger cars and multi-passenger vehicles.
- On the other hand, they provide electric mobility consulting services, developing sustainable logistic systems which meet their clients’ needs. These solutions are tailor-made and adapted to the required specifications. Movelco is committed to providing solutions that are both efficient and 100% environmentally responsible.

Processes and technologies
Assembly
- Vehicle assembly line.
- Consulting and business development department.
- Logistic systems design and innovation department.

Main customers
Inditex, Acciona, Iberdrola, Mancomunidad Sureste de Gran Canaria, Monfragüe natural park, Recalvi, ECASA (Empresa Cubana de Aeropuertos y Servicios Aeronáuticos), Public Administration, Hogomar, Bodegas Altos de Torona, Transimport, Joma, Prosetecnisa, etc.

Contact
Address and phone
Camiño Caramuxo, 41
36213 Vigo
Phone: 886 113 828

Web / Email
http://www.movelco.com/
admin@movelco.com
Company description

Muutech was created in 2017 as an IT and industrial monitoring company. It offers innovative services to companies, from sensors to machines and information systems, easily in a single platform. They help each user of the data in the company to easily and visually access information in real time, preventing and detecting problems, facilitating informed decision making.

Products and services

Auxiliary services

Diverse
Engineering

Expert in monitoring, it provides the tools and service to help companies obtain and correlate data from different sources (IoT sensors, robots, PLCs, APIs, MES, ERP, databases, industrial protocols, IT infrastructure, communication in network, business data and e-commerce, etc.) breaking down information silos. Through a cloud or on-premise platform (Minerva), data is transformed into information through alarms that combine data from different sources, its historical and real-time, with predictive capacity and that can trigger automated actions, allowing users to make real-time data-driven decisions.

Processes and technologies

Other technologies

It works developing software with a multidisciplinary engineering team, using the latest technologies in development, monitoring and infrastructure.

Main customers

Magna Seating Vigo, CIE Automotive, TBSI, etc.
Company description
Technological innovation in road safety.

Products and services
Module or function

- Exterior elements
- Lights, signalling and visibility

Help-Flash is an emergency device to signal the vehicle in case of stop on the road. We have two types: the analog that is used just to signal, and the Smart help-flash that goes with connectivity to the insurers that are clients of the same and to the number of emergencies 112.

Processes and technologies
Other technologies

Main customers
Fergona (todas las marcas de vehículos excepto Opel), Orange Fish (Opel y retail), Recalvi, etc.
Nitropipes Lda Est Permanente

Company description
Industrial electromechanical services and maintenance company. Focuses its business activity in the automotive and pharmaceutical sectors, including the services of Industrial Installations (steam, pipes, industrial cold, metal structures and electro-mechanical assemblies) and Industrial Maintenance, in our clients: Fives Conveying, Tunkers Iberica, Operational, Gestamp, Estructuras Pimon, etc.

Products and services
Auxiliary services
- Diverse
- Engineering
- Maintenance and services

Electromechanical assemblies, manufacture and installation of structural assemblies, installation of heat exchange systems, installation of aero-transport systems, etc.

Processes and technologies
- Assembly
- Electrical material
- Joining processes
- Metal shaping
- Surface treatments and finishes
  
  Welded or screwed structural fabrication, mechanical parts and pipeline elements for heat, cold, water, etc., including their engineering.

Main customers
Automotive Sector: Fives Conveying, Tunkers Iberica, Operational, Estructuras Pimon, Gestamp
Hotel Sector: Grupo Accor
Pharmacological Sector: CZV, Biofabri, Lonza
Industrial Sector: EyP, Fundilusa, Ilhapor, Copefri, Teynco

Contact
Address and phone
Polígono Industrial Rebullón 50, Nave 7C
36416 Mos
Phone: 986 912 200

Web / Email
http://www.islasgroup.com
ntpipes@ntpipes.net
Company description

Norlean offers an innovative service based on 3D simulation on industrial plant processes, which allows the construction of a 3D digital replica (Digital Twin). This allows to unify all the information of the plant in a single platform in a visual and intuitive way but supported by powerful mathematical and statistical engineering models.

Products and services

Development of NOA software (Norlean Operations Analyzer) that allows creating a virtual 3D replica of the production plant. This allows to achieve a better visual and intuitive management of the processes, facilitating the work of the technicians and making the technology accessible to the managers. Its basic differential values are:

- Simple: to make it accessible to non-technical personnel.
- Powerful: it allows to integrate data from multiple different sources and make calculations to simulate different scenarios through the use of powerful algorithms.
- Visual: immersion in a 3D model through the use of virtual reality glasses.

Processes and technologies

We use our own development software for the creation of Digital Twins, integrating Lean methodology with 3D simulation, Big Data, Artificial Intelligence and Virtual Reality technologies. This tool allows saving costs such as those derived from the acquisition of licenses, specialist personnel, training, etc.

Main customers

Megatech, Stellantis, Industrial Recense, Vitralba.
**Optare 5G, S.L.**

<table>
<thead>
<tr>
<th>Sales information</th>
<th>**</th>
<th>**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Turnover</strong> ¹</td>
<td>★★★★☆</td>
<td><strong>Employees</strong> ²</td>
</tr>
<tr>
<td><strong>Employees</strong> ²</td>
<td>★★★★☆</td>
<td><strong>Auxiliary value chain</strong></td>
</tr>
</tbody>
</table>

¹ Less than € 1,500,000 · ² Up to 20 employees

**Company description**
Industrial IoT services operator specializing in deployment and optimization of EDGE infrastructures.

**Products and services**
- Auxiliary services
  - Diverse
  - Engineering

**Processes and technologies**
Deployment of EDGE infrastructures that facilitate the development towards a true Industry 4.0.

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**Contact**

**Address and phone**
Parque Tecnológico y Logístico de Vigo (PTL), Calle C, Nave C7
36315 Vigo
Phone: 629 540 808

**Web / Email**
[http://www.optaresolutions.com](http://www.optaresolutions.com)
Otebra, S.L.

Company description
Otebra is a company, founded in 1982, involved in the manufacture of rods for automotive seat frames as well as other parts of the vehicle such as steering wheels, external protectors for headlights, tanks, seat belt buckle guides, bonnet, brakes, boot and doors. Otebra`s products are mainly addressed to original equipment suppliers located in Galicia, which represent more than 96% of its turnover. Less than a 4% of its sales come from customers located either in other Spanish regions or abroad.

Products and services
Module or function
Driving position
Front End
Seats
Tanks
- Rods for automotive seat frames
- Rods, from 5 up to 12 mm. of diameter, installed in the steering wheels of the NISSAN F91G project
- Right and left side rods for brake pedals, supplied to Inergy Automotive Systems since 1996
- Rods for van bonnets
- Rods placed on the exterior of the vehicle to protect headlights
- Fastening rods for fuel tanks
- Seat belt buckle guide

Processes and technologies
Metal shaping
Their processes involve the straightening and cutting of wires of different diameters (from 2-12 mm) according to the size required for the development of each piece; these are then shaped using presses or pneumatic/hydraulic machines, taking into account customer specifications. They also manufacture parts using CNC machinery for wires of 4 - 10 mm diameter.

Main customers
Tier 1 suppliers and Viza Automoción.

Contact
Address and phone
Severino Cobas, 63 interior, Naves 3-4
36214 Vigo
Phone: 986 271 124
Web / Email
administracion@otebra.com
Company description
The company, founded in 1981, was initially involved in the recovery of seats and backrests for the automotive industry. Later on, they diversified their activity, mainly focusing on the following activities: cutting and tailoring of seat covers, headrests and armrests; die-cutting of automotive components of different materials; thermoforming of felts for vehicles; inserts cutting, polyurethane foam cutting.

Products and services
Module or function
- Boot
- Central console
- Cockpit
- Door module
- Engine compartment
- Floor coating
- Front End
- Ground contact system
- Raw materials
- Seats

Auxiliary services
- Process outsourcing
  - Cutting and die-cutting of PU foam of different densities and shapes.
  - Die-cutting of different adhesive and non-adhesive materials (carpets, synthetic fibres, rubbers, polyurethane, polyethylene, felts, etc.) with thermal, soundproofing and protective properties, etc.
  - Tailoring of a wide range of fabrics (imitation leather, canvas, automotive fabric, tyvek, evolon, etc.) for different utilities in the Sector.

Processes and technologies
- Assembly
- Joining processes
- Plastic shaping
- Textile shaping
  - Sewing machines; 2 die-cutting machines (1 manual and 1 automatic); foam cutting machines.

Main customers
Copo Ibérica, Componentes de Vehículos de Galicia, Plasto Technologies Ibérica, Grupo Trèves, Antolín Group, TRW, Izmar, etc.
Company description
Plastic Omnium Auto Inergy Spain is a Tier 1 supplier and a world leader in the production of fuel systems and emission control systems. Their mission is to develop and deliver all the functions of the combustion system from the filler cap to the engine. Inergy supplies innovative integrated plastic systems which store, transport, deliver and regulate energy and fluids in the vehicle.

The Inergy Group has 4 production plants in Spain: 2 are in Galicia - 1 in Arévalo and 1 in Villaverde. In Gondomar they have a centre which focuses on the blown extrusion processes and a metalworking centre which carries out stamping and welding processes.

Products and services
Module or function
- Filler pipe
- Front End
- Tanks

The main activity of Plastic Omnium Auto Inergy Spain is the production of fuel circuits for the automotive industry; they also manufacture stamped metal components and aluminium thermal screens.

Using their experience in the design of fuel systems, the Inergy R&D team has developed innovative solutions to complement the current offer on the market. These include CLINFILL (capless) and INBAFFLE (noise reduction), the INSEAL filling system and the INROV advanced valve. These innovations help increase passenger safety and comfort while improving system performance and compliance with the most stringent environmental regulations.

Processes and technologies
- Joining processes
- Metal shaping
- Plastic shaping

In their Galician plants, this company has, among others: Single-layer and multi-layer blown extruding machines, fluoridation processes, welding machines, equipment lines, stamping presses of various tonnages, welding robots for metal components.

The technology behind the fuel system based on the blown process offers the perfect balance between safety, weight and cost for automotive fuel systems. There are many advantages to using plastic materials for the manufacture of fuel systems including: lighter weight, tank durability and compatibility with bio-fuels, design freedom allowing volume economisation, reduced noise, low permeability, impact resistance, sustainability for hybrid power trains and cost effectiveness.

Main customers
Stellantis, Daimler, Renault, General Motors, Nissan, other companies belonging to the Inergy Group, etc.
Plastic Omnium Equipamientos Exteriores, S.A.

Company description
Plastic Omnium is a world leader in the manufacture of automotive exterior components and modules, supporting and accompanying the customers with 86 factories in 19 countries. Plastic Omnium develops solutions for a more sustainable and connected car.
The Redondela plant was inaugurated in 1991, since then it has produced parts for the Citroën ZX, AX, Xsara Picasso, Berlingo, C4 Picasso, Grand C4 Picasso and Peugeot Partner vehicles.
It currently produces the Citroën bumpers, models: C-Elysée, C4 Spacetourer, Grand C4 Spacetourer and Berlingo, Peugeot Rifter and 301 and Opel Combo, as well as the tailgate of the C4 Spacetourer and Grand C4 Spacetourer.

Products and services
Module or function
- Boot
- Exterior elements
- Front End
- Rear end
Injection of thermoplastic material, painted and assembled for the production of bumpers and rear doors.
Plastic Omnium offers innovative weight-reducing and aerodynamic solutions to reduce fuel consumption and CO2 emissions.
The body parts are integrated into the design of the vehicles, developing an offer with high performance compounds:
- Rear doors with a weight reduction of 30%, compared to steel equipment.
- Bumpers that combine aesthetics, lightness and aerodynamic optimization.

Processes and technologies
Assembly
Joining processes
Plastic shaping
Surface treatments and finishes
The Redondela factory has in its facilities injection machines with a closing force of 1,000 to 3,200 tons, robotized paint line, bite assembly line, JIT parts served directly to the customer, specific die-cutting and welding machines, gluing technology with robotic cells for the production of a plastic tailgate and packaging line for spare parts.

Main customers
Stellantis.
Precisgal Componentes Automoción, S.L.

Company description
Precisgal Componentes de Automoción S.L. was founded in 1997 in response to a specialization required from clients to meet their needs for mass production machining. From its start until now, Precisgal Componentes has become more and more involved in mechanised production. Using steel as raw material and carrying out turning, milling and grinding processes, Precisgal Componentes supplies parts to various continents from Vigo.

Products and services
Module or function
- Engine
- Safety electronics / vehicle dynamics
- Transmission
Mass produced automotive components, ABS rings and magnetic encoders.

Auxiliary services
- Process outsourcing
  - Machining of large, medium and small series using turning, milling and grinding processes in multiple axis.
  - Machining of production complements.
  - Electrostatic Zn-Al Coating (GEOMET 321), which leads to parts with greater anti-corrosion properties.
  - Injection of rubber with metal filler.

Processes and technologies
- Metal shaping
  - Turning (spindle – sub-spindle)
  - Twin turning
  - 5-axis milling

Main customers
VAG Group, GKN, Nissan, Frenos y Conjuntos, Seat, Dana Group, etc.
Precisgal Utillaje, S.L.

Company description
The Precigal Group starts its activity in 1978. Since then they have been constantly evolving (in terms of size, means and workforce) to offer their clients the best quality and services. Precisgal Utillaje is involved with the manufacture of inspection tools, means of production for the automotive, food tinning and pharmaceutic industries as well as high-precision tools in special alloys.

Products and services

Auxiliary services

Die-stamping and tools

- Precision tools
- Conventional and fine blanking dies
- Blow moulding
- Inspection equipment
- Models and prototypes

Processes and technologies

Metal shaping

- High-precision machining
- Turning, milling, spot-drilling and 3 & 5 axis machining
- Flat, universal and coordinate grinding
- Wire and die-sinking EDM

Main customers
GKN Group, Ardagh Group, Domiberia Group, etc.
Company description
Probotec specializes in the various and wide-ranging applications of robotic technology in the automotive industry. They are specialists in the brands ABB, FANUC and KUKA, among others. They are skilled in a range of programming standards such as VAAS (Volkswagen), Stellantis, Renault, MB Rapid (Mercedes Benz), etc. The company provides a comprehensive service for the installation of automated facilities both at national and international level and from small automated cells up to large production lines.

Products and services
Probotec programmes any type of technology including spot welding, handling, arc welding, gluing and mastic, laser welding, etc. The company offers engineering, programming, optimisation, consultancy and training, thus providing a comprehensive solution for the installation of automated facilities. Probotec can integrate robotics into any process.

Processes and technologies

Main customers
Stellantis, Renault, Volkswagen, Porsche, Mercedes, Benteler, Gestamp, Nissan, Snop, Rubi, Inabensa, Ecisa, Artex, Finitec, ABB, etc.
Recuperadora Gallega de Disolventes, S.L.

Company description
Collection, management and recovery of waste organic solvents.

Products and services
Auxiliary services
   Industrial supplies
   Process outsourcing

Process and recovery of solvent residues (LER 080111: paint residues containing organic solvents / LER 140603: other solvents and solvent mixtures) and sale of recovered solvents.

Processes and technologies
Thin film evaporator (AFTE) for solvent recovery and fractional distillation tower for individual separation of solvents from a mixture.

Main customers
Industrias Proa, Groupe PSA, Maier Ferroplast, Plastic Omnium Componentes, Egeo Solventes, etc.

Contact
Address and phone
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Phone: 986 344 082
Fax: 986 332 102

Web / Email
http://www.drovi.com
regadi@drovi.com
Roboting Automation and Programming, S.L.

Company description
Roboting is a Galician engineering company dedicated to the implantation, installation, programming and maintenance of industrial and collaborative robots.

Products and services
Auxiliary services
- Automation and robotics
- Engineering
- Machinery and small integrated lines
- Maintenance and services

Auxiliary value chain
- It provides solutions and qualified technicians for the tasks of programming industrial robots, process engineering and turnkey solutions.

Processes and technologies
- Joining processes
- Other technologies
- Surface treatments and finishes
- Wood processing

Roboting has the latest versions of the main softwares of industrial robots, as well as software to perform offline simulations. In addition, it has highly qualified technicians for the development of the most complex projects.

Main customers
Stellantis, Benteler, Faurecia, Gestamp, Ford, Volvo, etc.

Contact
Address and phone
Rua das Pontes, 4 oficina 2.15
36370 Nigrán
Phone: 886 139 203

Web / Email
http://www.roboting.es
administracion@roboting.es
Company description

Company specialized in fire protection systems with more than 15 years of experience in industrial plants in the automotive sector. It is dedicated to the design and installation in its beginnings and expanding to consulting and maintenance services in recent years. Member of NFPA, CEPREVEN and with ANPC registration for Portugal and ISO 9001 and ISO 14001 certifications.

Products and services

Auxiliary services

Maintenance and services

Design, supply, installation and maintenance of fire protection systems and auxiliary services.

Processes and technologies

Other technologies

The company has senior industrial engineers on staff, remaining in constant contact with NFPA and CEPREVEN regarding new technologies applicable to the fire protection sector.

Main customers

Stellantis Vigo and Madrid, Verallia (Portugal).
Situm Technologies, S.L.

**Company description**

Situm develops and markets an indoor positioning platform for mobile devices that achieves maximum precision with the minimum infrastructure and the fastest deployment.

**Products and services**

Auxiliary services

- Diverse

Software platform for monitoring and optimizing processes with mobile resources, such as internal logistics.

**Processes and technologies**

Other technologies

Software platform of positioning in interiors.

**Main customers**

Stellantis, Renault, Telefónica, Securitas, Prosegur.

**Contact**

**Address and phone**

Emprendia, Campus Vida
15782 Santiago de Compostela
Phone:  

**Web / Email**

http://www.situm.es
juan.martin@situm.es
SMRC Automotive Interiors Spain, S.L.

**Company description**
SMRC is a supplier of automotive interior systems. It has full capability to design, develop and manufacture innovative and high-quality products. With presence in 17 countries, this company gives support to all car manufacturers around the world. The solutions offered within the SMRC e internal product portfolio include: cockpit, instrument panels, door panels, consoles as well as interior trims and decorative parts.

**Products and services**
- **Module or function**
  - Boot
  - Central console
  - Cockpit
  - Door module
- **Reydel is able to carry out the design, development, industrialization and manufacture of innovative and high-quality products: cockpit, instrument panels, door panel, interior trims and decorative parts.**

**Processes and technologies**
- **Assembly**
- **Joining processes**
- **Plastic shaping**
- **Surface treatments and finishes**
- **Textile shaping**
- **Wood processing**
- **Injection moulding machines; Vertical pressure forming M/c (PP Linen); Thermocovering; Soft painting; Assembly; Vibration, ultrasonic and hot plate welding; Foaming.**

**Main customers**
Our customers include all the major global vehicle manufacturers such as: Stellantis, GM, Opel, Renault, Nissan, VW, Ford, Skoda, Volvo, Chrysler, Hyundai, Honda, Mitsubishi, etc.

**Contact**
**Address and phone**
Carretera Nacional 550 (Porriño - Tui), km. 164,5
36472 El Cerquido - Salceda de Caselas
Phone: 986 343 402
Fax: 986 346 252

**Web / Email**
http://www.smrc-automotive.com
Company description
The Snop production plant in Nigrán is owned by Snop Estampación, S.A. part of the FSD group, with headquarters in La Pobla de Claramunt (Barcelona). The plant was inaugurated in October 2012. Their main activities are metal transformation via stamping, profiling and bending, as well as manual and robotic resistance and MAG welding assembly.

Products and services
<table>
<thead>
<tr>
<th>Module or function</th>
<th>Shaped metal parts and assembled sub-assemblies. The materials used are plain steel and stainless steel.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cockpit</td>
<td></td>
</tr>
<tr>
<td>Door module</td>
<td></td>
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<tr>
<td>Front End</td>
<td></td>
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<tr>
<td>Rear end</td>
<td></td>
</tr>
<tr>
<td>Seats</td>
<td></td>
</tr>
</tbody>
</table>

Processes and technologies
| Joining processes |                                                                                                  |
| Metal shaping      |                                                                                                  |

Main customers
Stellantis, Mercedes, Faurecia, Gestamp.
Company description

Stockages Vigo S.L. was founded in 1993, the culmination of the professional experience that José Manuel Modroño had been gaining since 1979 in the automotive industry. Dedicated to the provision of logistics and quality management services, Stockages Vigo offers a full range of services in both the customer’s and their own facilities, which have a floor area of 11,000 m2 in the Vigo Technology and Logistics Park and Vincios Industrial Estate, ensuring their clients’ production and logistics flows.

Products and services

 auxiliary services

- Diverse
- Engineering
- Logistics and transport

- Stockages Vigo designs and manages tailor-made integrated logistics solutions to optimise the supply chain. They offer the following services: customs and non-customs warehousing (DA / DDA) “magasin avancé fournisseur” (MAF), refurbishment, cross-dock, kit preparation, CKDs and PAPs.
- With their wealth of experience and “know-how”, Stockages Vigo assists their clients through the various facets of their quality projects: product launch support, resident technicians, crisis management, improvement and development projects, production support, etc. Stockages Vigo establishes action guidelines to follow in the provision of quality control services and parts recovery, so that they are carried out under controlled conditions, in compliance with the client’s requirements and with the optimal level of quality. The service they provide is characterised by the flexibility in the organisation of work teams, the availability of qualified staff and the deployment of rigorous procedures.

Processes and technologies

Other technologies

Continual communication with the client is part of the company’s culture; they provide daily information and results using their own IT tools dedicated to the management of the services provided.

Main customers

Stellantis, Faurecia Asientos de Galicia, Faurecia Automotive España, GKN Driveline, Grupo Valeo, Grupo Howa Tramico, Grupo Hutchinson, Grupo Copo, Viza Automoción, Grupo Maier, Maflow Spain Automotive, Grupo Mecaplast, SRG Global, GT Radial.
Company description

Talleres Covi, S.L. (Cincados Covi) was founded in Vigo in 1973. They started out as an auxiliary company in the automotive industry and have continued the same activity since then; 95% of their work is directed to the auxiliary automotive industry. Their range of services is very limited but they are very specialised and few companies work in the same activity. Their services are designed to improve the properties of primary materials (iron and steel) onto which various coatings or surface treatments are applied. These include electrolytic zinc coating, degreasing, stripping and phosphating of steel.

Products and services

Auxiliary services

- Process outsourcing
  - Electrolytic zinc coating consists of plating the steel (not stainless) with zinc to improve the primary material’s surface properties: wear resistance, increased hardness, corrosion resistance and improved appearance (colour, shine).
  - Stripping consists of eliminating rust and metal particles from the surface of the primary material (iron or steel). There are various methods of stripping; in this case chemical stripping with acid dissolved in water, with other additives which may be inhibitors, humectants, surfactants or anti-foaming agents are applied.
  - Degreasing can be a preliminary step prior to zinc coating or stripping when parts come pre-greased; it can also be a stand-alone process. It consists of removing oils and grease from the surface of the iron or stainless steel. It is carried out by immersion or by electrolytics.

Processes and technologies

Surface treatments and finishes

They have two industrial units on the A Granxa industrial estate:
- The first is a warehouse where parts are stored prior to treatment or after treatment, awaiting collection; as well as the materials required for performing the processes.
- The other is the factory where the services offered by the company are carried out. They have the following equipment: 4 Rack Zinc Electroplating lines, 2 plating barrels and 1 deburring barrel.

Main customers

GKN Driveline Vigo, Precisgal Componentes Automoción, Grupo Gestamp, Grupo Borgwarner, Inoxidables
Fegosan, Lear Corporation and Grupo Esypro.

Contact

Address and phone
Polígono Industrial A Granxa Rúa F - Parcela 82-83
36400 Porriño
Phone: 986 346 257
Fax: 986 346 285

Web / Email
http://www.cincadoscovi.com
cincadoscovi@cincadoscovi.com
TB Spain Injection, S.L. (TBSI)

Company description
TB Spain Injection, S.L. (TBSI) forms part of the French TBI Group. They are specialists in plastic injection moulding. TBSI has an ISO/TS 16949:2009 certified quality management system.

Products and services
Module or function
- Electrical wiring
- Engine compartment
- Front End
- Seats

TBSI works with the following raw materials: polyamides, polyamides with glass fibres (up to 60%), polyethylene, polypropylene, polycarbonates, ABS, structural and acoustic heat expandable materials and polyoxymethylene (POM). These are moulded to produce:
- Bi-material parts whose main functions are: energy absorbers, sound proofing, insulation.
- Single material parts such as plastic inserts for headrests, armrests (front and rear) and light diffusers.

One the group’s innovative highlights is their experience in electrical connectors for headlights.

Processes and technologies
- Assembly
- Joining processes
- Plastic shaping

- Single material plastic injection moulding line
- Bi-material plastic injection moulding line (with presses from 200 – 550 t) and 6-axis robot. They can perform a range of bi-material injection moulding processes: overmoulding with cooling of the plastic outside the mould; transfer moulding and rotary table injection of plastic-metal
- Inset overmoulding
- Ultrasound welding process
- Assembly of plastic and metal components
- EDI system

Main customers
Within the automotive industry major clients include: Faurecia, L&L Products, Visteon and Cablierias Auto. Products manufactured by TBSI can be found in vehicles produced by Stellantis, Volkswagen and Renault-Nissan.
Company description

The company was founded in 2001 with the aim of making a contribution to the technological modernization of the production companies working in Vigo and the surrounding area. In the beginning they focused much of their activity on the field of industrial maintenance design and special equipment for companies in the automotive industry.

Tecdisma has steadily grown in a range of aspects such as the expansion of its portfolio of products and services, through constant investment in R&D, modernization of material resources, the expansion of the workforce, etc.; all this has led to the company consolidating its position as a leading company in the field of design, manufacture and installation of industrial maintenance systems for companies in the automotive industry.

Products and services

Auxiliary services

- Automation and robotics
- Engineering
- Machinery and small integrated lines

- Design, manufacture and installation of industrial maintenance systems
- Design and construction of specialist equipment and machinery
- Robotics and industrial automation

Processes and technologies

- Assembly
- Joining processes
- Metal shaping
- Other technologies
- Surface treatments and finishes

Main customers

Aludec Ibérica, Asientos de Galicia, Benteler Vigo, Dalphimetal (España, Francia, Portugal, Seguridad), Dayco Ensa (Vigo y Portugal), Denso Sistemas Térmicos España, Gestamp Vigo, Grupo Antolín Lusitania,
GKN Driveline Vigo, GKN Transmisiones España and Maier.
Tecnicarton, S.L.

Company description
This company is a reference in the design, manufacture and supply of high performance packaging, thanks to the local service and their custom designs. It also offers logistics services, CKD and packaging in-house, etc. It belongs an important group with ten factories around the Iberian Peninsula. The packaging design for the automotive sector represents the 70% of its sales, where they carry out a continuous monitoring of the supply chain and improve the packaging to offer a reduction in costs year by year.

Products and services
Auxiliary services
- Logistics and transport

Tecnicarton designs the custom packaging and select the right material for the needs of the product. It also puts prepare the inside of the products for an optimum support and protection of the pieces of cardboard, foam, plastic, etc.

Processes and technologies
- Assembly
- Plastic shaping

Manufacture and assembly of packaging.

Main customers
Stellantis, Ford, Renault, Seat, Opel, Nissan, Mercedes Benz.
**Company description**

The TI Fluid Systems Group is a leading global supplier at the design, engineering and manufacture of automotive fluid storage, carrying and delivery systems. Nowadays, the Group is structured into two big divisions: Fluid Carrying Systems (FCS) and Fluid tank and delivery systems. Both divisions work with a special focus in R&D, production, vehicle integration and manufacturing experience with their clients.

The TI Fluid Systems plant in Porriño, with a total surface of 5,000 m², is part of the FCS Division.

**Products and services**

**Module or function**
- Engine
- Tanks

The innovative technology of TI Fluid Systems, combined with a broad product range, allows the company to meet the most demanding regulations regarding fuel efficiency, functionality, safety and emissions for fluid storage and delivery systems.

The Group is organised into the following areas of activity:
- Brake and fuel lines / chassis bundles.
- Thermal products.
- Powertrain products.
- Fuel tank products
- Pumps and fluid delivery modules.
- Aftermarket products

The TI Fluid Systems plant in Porriño manufactures metallic and plastic fluid carrying lines for brake, fuel and powertrain systems.

**Processes and technologies**

- Assembly
- Metal shaping
- Plastic shaping

Technology and customer service have made TI Fluid Systems a leader in its field. Its fluid systems are seamlessly integrated into the chassis, cabin and powertrain systems, performing under all conditions and complying with the most demanding safety and functionality regulations. The company has established a network of 5 technical centres and 7 regional centres for research, development and customer support.

Its engineers combine advanced design and manufacture with a global reach to provide their customers with the best products and services.

**Main customers**

Stellantis, Renault, Nissan, Daimler, VW Group, GM, Ford.
Trans Pereiras, S.L.

Company description
Trans Pereiras, founded in 1954, is dedicated to the activity of logistics and transport, mainly destined for the automotive sector. Its mission is to be an efficient transport company and provide the best service to its customers. As for its long-term vision, it focuses on improving quality, taking into account the impact of new technologies and customer needs. In addition, it prioritizes the union between the facilities of Zaragoza and Tui to offer the client the possibility of having their product less than 300km from any point in the north of the peninsula.

Products and services

Auxiliary services
- Logistics and transport

This company has facilities in Tui of 5,500 square meters of storage with eight loading and unloading docks, and in Zaragoza (Figuereñas) of 2,750 square meters. It also has the means and methods (control system picking) necessary to carry out its services.

Processes and technologies

Other technologies
- Trans Pereiras has an area enabled for the recovery and selection of pieces under the customer’s guides, as well as the placement of an ERP to have virtual locations and security stock management with 24-hour urgent service.

Main customers
Grupo Copo, Jobelsa, Plusfelt, Grupo IPM, Maier Ferroplast, Lear Corporation.

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Company description
This company is specialist in integrated logistics for the automotive industry. Founded in 1995, this company offers internal and external logistics outsourcing services, integrated into the value chain and adding value in the definition, organisation and optimisation of flow, before and after the industrial process. They utilise systems including cross-docking, milk-run, advanced warehouses, Petit train, assembly, packing and picking, groupage (LCL), multi-mode transport, etc. All this is managed by the engineering and organisation department and supported by specialist, powerful software and ITC tools. The company has 15,000 m2 of warehousing space and a modern fleet of EURO V and EURO VI wagons with an average age of less than 2 years.

Products and services
Auxiliary services
- Engineering
- Logistics and transport

The main services provided are:
- Milk-run with Europe and Morocco
- Cross docking
- JIT and Kamban deliveries
- Consignment
- Normal and customs warehouses
- Public customs duty
- Containers rental
- Logistic consulting
- Outsourcing projects for internal and external logistics

Processes and technologies
- Assembly
- Other technologies

As well as the above mentioned logistic services, the company has a factory area dedicated to assembly and pre-assembly.

Main customers
Faurecia, Borgwarner, CIE Automotive, Tereos, Shoeller, AMG Metalmecánica and Finsa Group.
Trèves Galicia, S.L.U.

Company description
Trèves, founded in 1836, is a recognized and global leader of automotive interiors and acoustics, providing innovative solutions for the worldwide automotive industry. Trèves deploys their in-depth knowledge of comfort and acoustics in the following four areas: cabin and boot (they are world leaders in this field); seating and components (with solutions for the various technologies imposed on the market; traditional and in-situ); textiles and coverings (applying the entire range of automotive technology available, from thread to seat covers); and motor and chassis (developing innovative solutions for acoustic comfort, thermal treatments and aerodynamics).
Trèves Galicia is a 12,000 m² production plant and the company currently has 150 employees.

Products and services
- **Module or function**
  - Boot
  - Engine compartment
  - Floor coating
  - Seats

- **Floor soundproofing**
  - Thermoformed PU foam carpets.
  - Incorporation of structural elements in a range of materials such as expanded polystyrene (PES) or more rigid ones such as polypropylene inserts. Trèves Galicia’s differentiating value is their specialist knowledge in the development and manufacture of sound absorbing flooring which also incorporate the complete set of air-conditioning conduits. High-frequency welded sill plates can also be incorporated; these increase product durability as they reinforce high-wear areas.
- **Interior soundproofing**
  - Made from thermoformed high density (EPDM) sheets of PU foam. Trèves Galicia has recently incorporated in their production plant the manufacture of this family of products utilising felt as the raw material.
- **Headrests, armrests, footrests, cushions and backrests**
  - Using traditional technology (a posteriori incorporation of textile covers) and in-situ (foam filling of pre-formed textile covers).

Processes and technologies
- **Joining processes**
- **Plastic shaping**
  - Textile shaping

  - 2 circular carrousels for foaming of large dimension pieces (each has 10 positions); 1 oval carrousel for medium-sized pieces (34 available positions);
  - 2 carpet thermoforming lines; 1 felt thermoforming line (new technology); 3 waterjet cutting machines; 2 x 50 t presses for die cutting; 1 carpet roll cutter; 1 high-frequency welder.

Main customers
Stellantis, Grupo Antolin.
Unimate Robótica, S.L.

Company description
Unimate Robótica, S.L. is an engineering company specialized in the automation of processes with industrial robots, which was created in November 2013 by two managing partners coming from the ABB Robotics Division. One of the objectives of this company is the contribution in terms of innovation to the Galician industrial fabric with the aim of increasing its competitiveness.

Products and services
Auxiliary services
- Automation and robotics
- Engineering
- Maintenance and services

Engineering, consultancy, automation services and industrial robotics. Turnkey automated facilities, process studies, welding engineering, improvement projects, maintenance and training.

Processes and technologies
Assembly
Other technologies

Automation of processes. They have an industrial plant for the integration of automated facilities.

Main customers
Stellantis, Renault, BMW, Antolín Group, Benteler, Borgwarner, Componentes de Vehículos de Galicia, Faurecia, Gestamp, GKN Driveline, Trèves Galicia, Inoxidables Fegosan, TRW, Visteon, Emte Sistemas, Inabensa, Vigotec, Interob, Decuna, Tecdisma, DGH, Bosch, Enenasa, Fundivisa, Hiasa, etc.

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Company description

Útingal S.L. is a company with Spanish capital; it was founded in 1993 with the aim of responding to the technology and innovation needs in dimensional control of manufacturing processes in the automotive industry. Nowadays, after a continual process of improvement and diversification, the company has expanded into different markets and now works in the maritime, defence and energy industries, both nationally and internationally. Audited and / or inspected by the Spanish Navy, Lloyds Register and AENOR among others, the ISO 9001 Quality Management System employed by Útilvigo assures compliance with the requirements of their clients in the areas of document and dimensional traceability.

Products and services

Auxiliary services

- Die-stamping and tools
- Process outsourcing

For the automotive industry, Útilvigo develops models and control measures from plans, parts and spec. sheets from their clients. The company also has machining processes available. These services are provided to Tier 1 and 2 suppliers.

Processes and technologies

- Metal shaping
- Other technologies
- Plastic shaping

The structure of the company considers the entire value chain integrating products from engineering and their certification with disparate areas including storage, assembly, rectification and expediting. The machining area and machine park has been designed to be able to accommodate the machining, assembly and 3-dimensional control of small to medium sized manufacturing runs up to dimensions of 3000x1300x1500.

The company utilises: 250 m2 of offices for commercial management; high-speed 3 & 5 axis CNC grinding lines; CNC turning lines (with or without bar feed) up to 560 mm swing and 1200 mm between centres; flat grinding area, exteriors and interiors; wire-cutting with metrology controlled temperature and humidity; engineering department using CAD-CAO-CAM tools; 3-dimensional metrology lab with temperature and humidity controls; liquid pressure test control lab (up to 1000 bar).

Main customers

Batz, Benteler, DCNS Group, General Dynamics, Gestamp, GKN, KL2B, Mazagondock, Navantia, Stellantis, SMRC Automotive Interiors Spain.
Company description

Utingal S.L. was created in 1999 with the idea of responding to the new technology needs in the automotive industry, electronics, food industries, etc. The latest technology applied to all processes allows them to offer excellent quality products, services and prices, as well as meeting the most varied demands of the market. They offer their clients integrated solutions according to their needs: from the design and construction of the tools and/or equipment needed to the production and installation on-site in accordance with the client’s specifications; as well as the commissioning and later maintenance. The recognition by their clients is their greatest guarantee.

Products and services

Auxiliary services
- Automation and robotics
- Die-stamping and tools
- Engineering
- Machinery and small integrated lines
- Maintenance and services
- Process outsourcing
- Design and manufacture of tools, capital goods, models automatable lines etc.
- Maintenance and commissioning of capital goods.
- Machining of fibre and composites for the aeronautic industry.
- Machining of production components for the automotive industry.
- 3-dimensional metrology, laser tracking, etc.

Processes and technologies

- Assembly
- Metal shaping
- Other technologies
- Engineering department: CAM design and programming.
- Machining: 3, 4 & 5 axis grinding, CNC turning, CNC grinding, wire and penetration electroerosion, drilling and threading. They work with steel, aluminium, composites and polymers (nylons and resins).
- Metrology with 3-dimensional equipment, portable equipment and laser tracker.
- Assembly and commissioning, at their site or at the client’s.

Main customers

GKN Driveline, Grupo Antolín, Gestamp, Faurecia, Aernnova, Aciturri, Coasa, etc.
Valver, S.L.

**Company description**

Valver was founded in 1986 as an automotive industry supplier, manufacturing functional labels for safety and decoration. Nowadays, the company’s main production is decorative and visible parts for the automotive industry as well as other sectors. They also develop and manufacture functional and security parts including sun-visor labels, sound-proofing labels, steering wheel badges, etc. Over time, and with the experience and knowledge acquired, Valver started to invest in new technologies and to grow, entering new markets which today are key to the success of the company. They include: bicycles, motorbikes, helmets, urban furniture, white goods and injection moulding. Valver currently has production sites in Galicia, Portugal and Colombia.

**Products and services**

<table>
<thead>
<tr>
<th>Module or function</th>
<th>Valver’s products, either decorative or functional, are made to meet the strictest specifications from the constructors.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cockpit</td>
<td>Interior parts: sound insulation, security labels, functional labels, badges and sills.</td>
</tr>
<tr>
<td>Door module</td>
<td>Exterior parts: 3D monograms, badges, protective parts and decorative parts.</td>
</tr>
<tr>
<td>Driving position</td>
<td></td>
</tr>
<tr>
<td>Exterior elements</td>
<td></td>
</tr>
<tr>
<td>Ground contact system</td>
<td></td>
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<tr>
<td>Lights, signalling and visibility</td>
<td></td>
</tr>
</tbody>
</table>

**Processes and technologies**

- **Plastic shaping**
- **Surface treatments and finishes**

Technologies:
- Screen-printing: printing on all types of materials - polyester, polycarbonate, PVC, PMMA, ABS, waterslide labels (under and on varnish), etc.
- Resin: applying PU resin to screen-printed or plotter printed decals.
- Ecodomes: innovative technology used to make badges or any type of light, flexible 3D parts with chrome effect.
- Kromex: 3D parts with a similar appearance to chrome.
- Aluminium: application of transparent PU resin on metal badges.
- Plastic injection moulded parts: injection machines from 80 to 250 t.
- IMD: decoration during the injection process.
- IML: printing of PP, ABS, polycarbonate decoration for later placing in the injection mould.
- Luminescence: LED illumination; coloured electroluminescent illumination.

**Main customers**

Stellantis, Fiat, Volkswagen, Nissan.
Company description
This company specializes in the areas of process automation and robotisation as well as in externalised engineering services for companies in the automotive industry (OEMs and TIERs).

Products and services
Auxiliary services
- Automation and robotics
- Engineering
- Maintenance and services

Vigotec has 2 different lines of business:
- Industrial process automation and robotisation: starting from the conception and simulation of the process, passing through the off-line programming, the commissioning for the end-client and the later assistance, training and documentation delivery for the installation.
- Engineering service outsourcing for OEMs and TIERs (out-house and in-house) in products and processes.

Processes and technologies
Other technologies
- Industrial automation and robotics processes.

Main customers
Mercedes Benz España, CIE Automotive, Gestamp, Grupo Antolín, Faurecia, Aritex, Serra Soldadura and Bosch Rexroth.
W.R. Freiría, S.L.

Company description
This company was established in 1998 and is dedicated to the manufacture of wood, carbon fiber and noble materials for the automotive sector.

Products and services
Module or function
Driving position
W.R. Freiría manufactures steering wheels and interior parts of the car.

Processes and technologies
Surface treatments and finishes
Wood processing
It has paint lines, injection molding and has its own laboratory.

Main customers
TRW, Takata, Autoliv, etc.

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**Company description**

Xoia Extending Reality develops augmented and virtual reality solutions for Industry 4.0 in order to digitize, preserve and transfer knowledge; eliminate geographical barriers by providing immediacy and speeding up the training of technicians; reduce reliance on experts; maximize performance; reduce errors and accidents, and view information of interest in real time or contextualized instructions about the work environment in order to optimize processes.

**Products and services**

**Auxiliary services**

- Diverse
- Engineering

**Augmented Factory**: Xoia provides a digitization solution that, through augmented reality, allows companies to preserve, transfer and project the technical knowledge of their different areas, operations, maintenance, support, etc. Its purpose is to prevent knowledge from being lost when the most experienced technicians or operators are no longer in the company and to centralize and preserve this knowledge in a single tool so that it can be transferred to anyone, anywhere in the world and in the most illustrative way possible, using animated 3D instructions on the work environment and thus making low-skilled operators autonomous, in the face of complex procedures, or providing immediate remote support without displacing personnel.

**Processes and technologies**

**Other technologies**

Xoia develops its multiplatform augmented reality solutions, both through smartphone or tablet devices and Hololens 2 glasses, to contextualize relevant information about the real world. In this way, it supports the diagnosis of incidents in real time about what is happening in the environment and all this is centralized through a web platform on which, in a simple and versatile way, any technician can transform their experience into knowledge to share, as well as connect with anyone in any part of the world and give assistance in augmented reality. Likewise, Xoia applies augmented and virtual reality to:
- VR Training for Human Resources and Occupational Risk Prevention
- Augmented reality tool for Commercial and Marketing
- Optimization of processes
Company description
ZF (Dalphimetal España S.A. and Dalphimetal Seguridad S.A.) designs steering wheels and all kinds of airbags in Vigo and Valladolid. They have an airbags manufacturing plant in Vigo and another one in Porriño which supplies magnesium inserts. Dalphimetal joined the TRW Group in 2005 and more recently the ZF Group, constantly evolving both at productive and technological level. Since its creation in 1929, they have been able to anticipate the requirements from consumers and car manufacturers in terms of comfort, safety and cost. Thanks to its 137,000 employees in 40 countries around the world (15,000 of them involved in research and development functions), the ZF Group is able to provide the automotive sector with the widest range of active and passive safety technologies.

Products and services
Module or function
- Cockpit
- Driving position
- Roof
- Safety electronics / vehicle dynamics
- Seats

Auxiliary services
- Diverse

After-sale service: replacement airbags and steering wheels.

Processes and technologies
- Assembly
- Joining processes
- Plastic shaping
- Surface treatments and finishes
- Textile shaping
- Magnesium inserts, airbag assembly, airbag covers, steering wheel injection moulding, bag stitching, leather steering wheel covers.

Main customers
Renault, Nissan, Seat, Mahindra (M&M), Hyundai/Kia (HKMC), Fiat, GM, JLR, Volvo, Ford, Stellantis, etc.