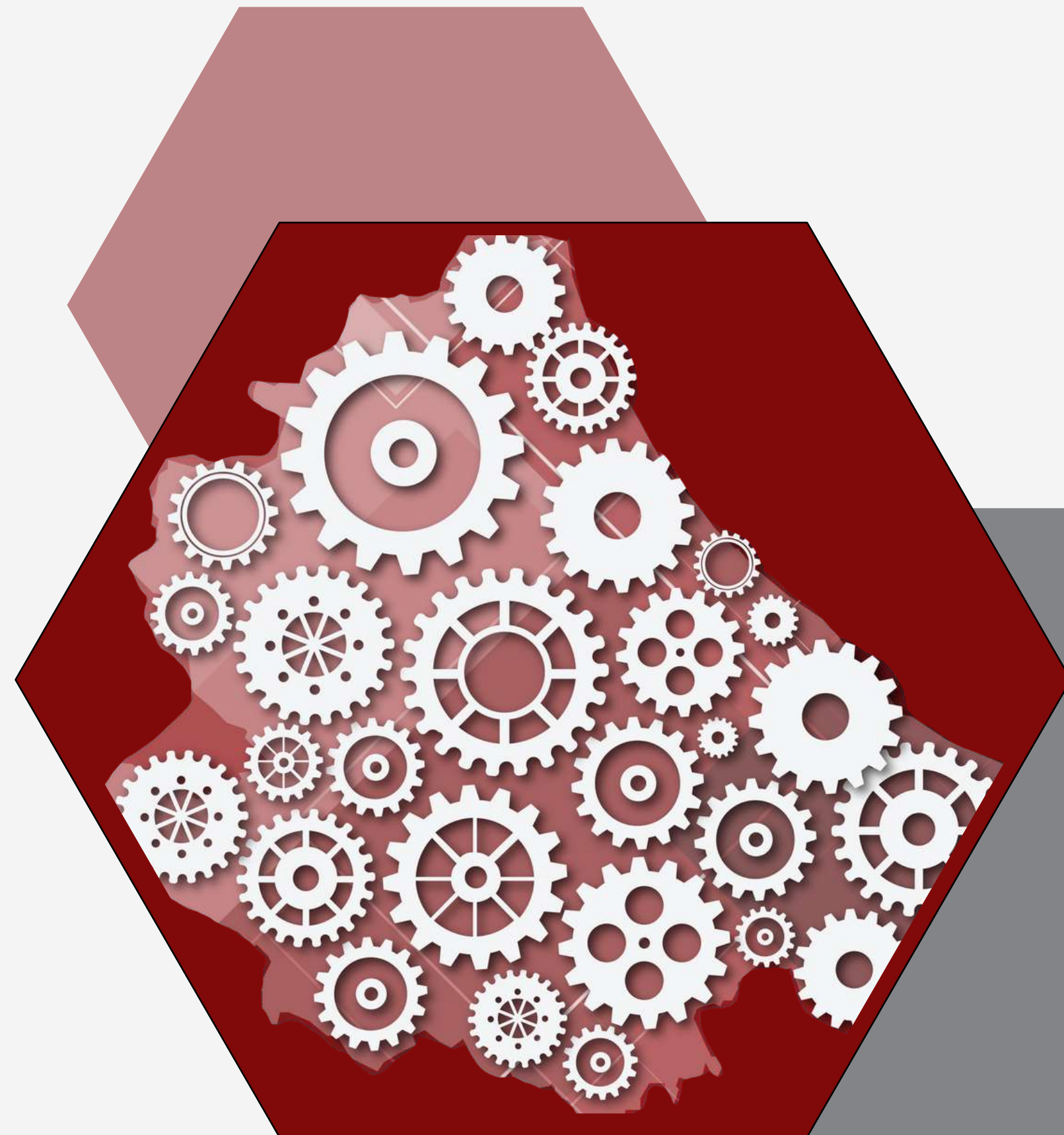




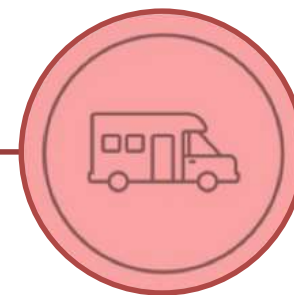
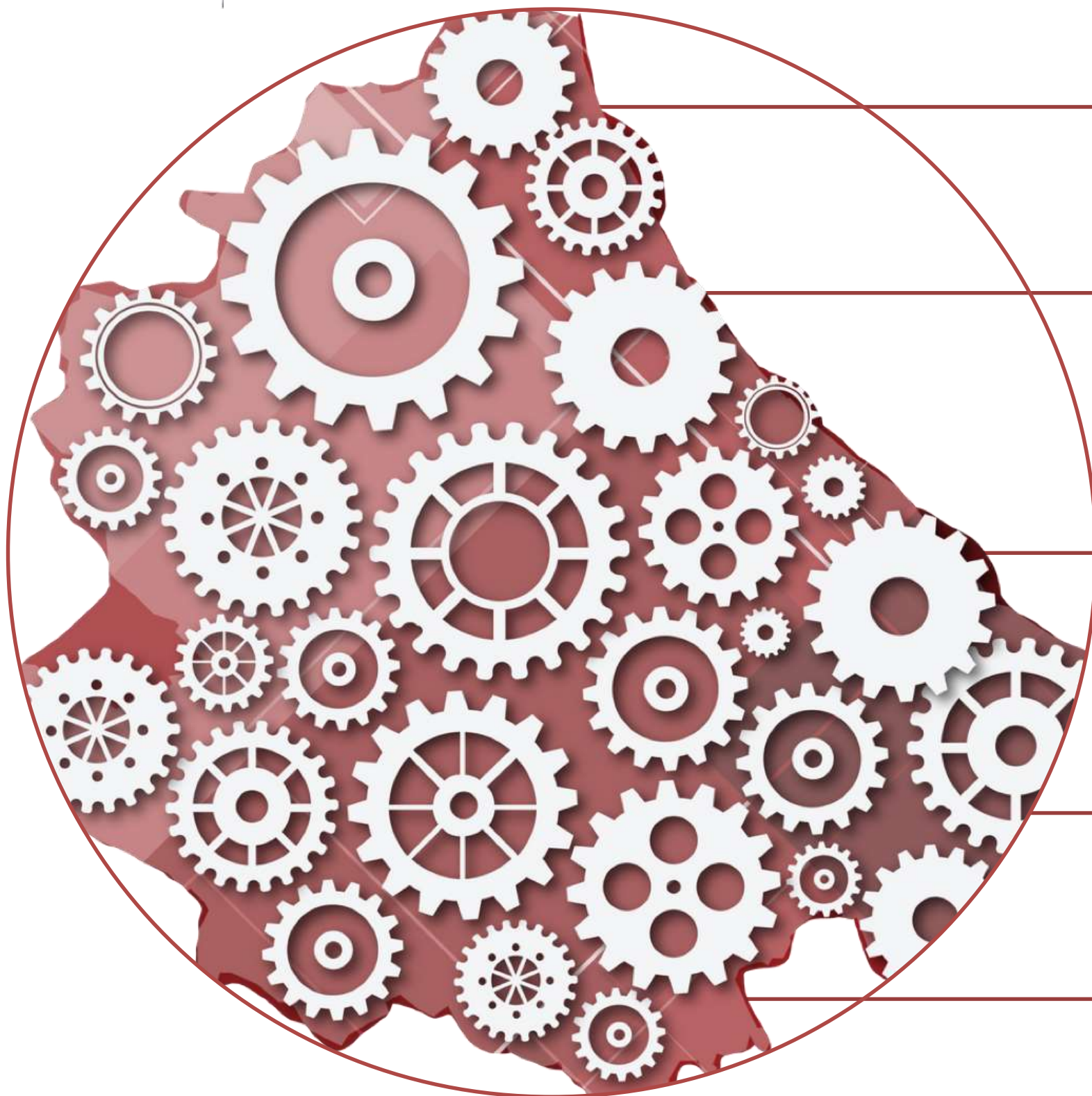
AUTOMOTIVE TECHNOLOGIES IN ABRUZZO REGION

2024





AUTOMOTIVE TECHNOLOGIES IN ABRUZZO REGION



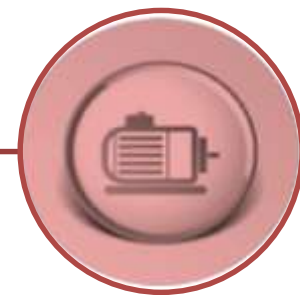
Production and outfitting vehicle



Production of molds, cold-hot forming and new materials



Connected vehicle



Electric engines



Other technologies



PEOPLE: 20.000 employees in Abruzzo



PRODUCTION AND OUTFITTING VEHICLE

- Abruzzo hosts two big players, one relating to light commercial vehicles, the other to two wheels.
- As regards LCVs, the reference is to the Stellantis Europe Atesa Plant (formerly Sevel); produces the Ducato, the best-selling light commercial vehicle in Europe, which since 1981, the year of its debut, has been able to evolve to meet the needs of its customers, so much so that it was elected "Best base for campers" (today three campers out of four sold in Europe are based on the Ducato). The Atesa plant produces approximately 12% of the European total.
- With respect, however, to two wheels, the reference is to Honda Italia Industriale, founded in 1971 in Atesa - the only Honda manufacturing site in Europe for two wheels – which grows in terms productive and employment.
- The vehicle sector is then subject to a multiplicity of different uses and intended uses which involve numerous uses of specific setups and equipment.
- Technologies relating to the fitting out of commercial vehicles (particularly light) represent a focus for the Abruzzo Region.
- Abruzzo companies operate in the preparation of commercial vehicles, in particular with respect to the production and installation of bodies, as well as military vehicles, campers and vans.

PRODUCTION AND OUTFITTING VEHICLE

PRODUCTION AND OUTFITTING VEHICLE: FACTORIES



HONDA ITALIA INDUSTRIALE

The only Honda manufacturing site in Europe for two-wheelers. It produces motorbikes, scooters.

Honda is engaged in the manufacture, purchase, sale, import, export, warehousing, assembly, and general trading, both on its own and on behalf of third parties, as a representative, agent or commission agent for other companies, including foreign companies, of motorbikes.

Honda Italia Industriale carries out all the most strategic product transformation processes in-house: assembly (scooter engines and frames), welding (steel and aluminium), painting (cataphoresis, plastics and steel), mechanical machining, aluminium die-casting, quality control (final inspection of 100% of vehicles at the end of the assembly line), engineering and testing in the in-house testing room (able to certify vehicles that comply with recent legislation).

Since the 1980s, Honda Italia Industriale has been committed to creating value for its territory by laying solid foundations for the development of an industrial sector that is a point of excellence in the automotive supply chain.

PRODUCTION AND OUTFITTING VEHICLE: FACTORIES



SAN MARCO INDUSTRIAL SRL

It offers a wide range of customised solutions due to its experience in the outfitting sector. The company has industrial know-how in the design and production of fixed and tipping bodies, including through welding processes for carbon and high-strength steels, aluminium alloys, and resistance welding (Spot Welding) on steel. It also possesses industrial know-how in the field of steel and aluminium protection, through powder coating, cathaphoresis and hot-dip galvanising processes. The company has a plant in Atesa for the production and assembly of caissons, including a section for the surface treatment of steel with cathaphoresis and both powder and liquid painting, on an area of approximately 40,000 square metres, of which 12,500 are covered. It has also recently started the production of structures for electric vehicle charging stations.

<https://www.sanmarcoindustrial.com/>

PRODUCTION AND OUTFITTING VEHICLE: FACTORIES



STELLANTIS EUROPE SPA ATESSA

Europe's largest factory for light commercial vehicles. It features the production departments of sheet metal, assembly and painting. It produces the Ducato, Europe's best-selling light commercial vehicle, which since its debut in 1981 has evolved to meet the needs of its customers, so much so that it has been voted 'Best Base for Motorhomes' (today, three out of every four motorhomes sold in Europe are Ducato-based). The Atesa plant produces about 12% of the European total.

STELLANTIS EUROPE SPA ATESSA represents one of the pillars of the strategy with which Stellantis aims to achieve global leadership with the group's six iconic brands: Citroën, Fiat Professional, Opel, Peugeot, Ram and Vauxhall.

Furthermore, STELLANTIS EUROPE SPA ATESSA is already the undisputed leader in the electric commercial vehicle sector in Europe.

<https://www.stellantis.com>

PRODUCTION AND OUTFITTING VEHICLE: FACTORIES

TRIGANO

TRIGANO

The leading manufacturer of recreational vehicles in Italy, the leading manufacturer of vans in Europe, and a leader in the sale of accessories for the plein air. In the Abruzzo region, it produces fitted vans of all major brands in its Paglieta plant. It is in this production hub that they specialise in fitting vans - distributed throughout Europe - on chassis ranging from 5.4 m to 6.3 m.

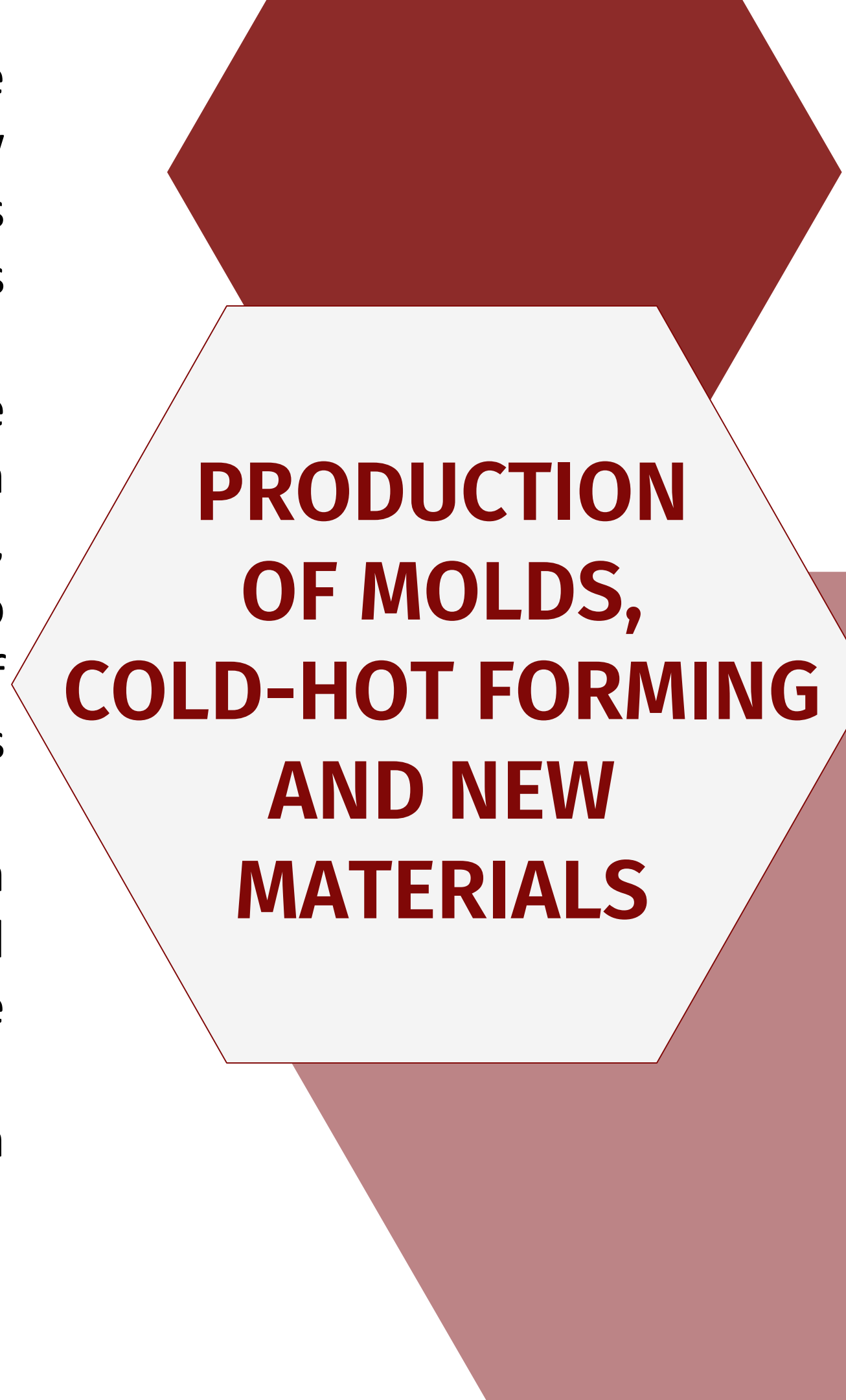
Trigano specialises in fitting out motorhomes of the major brands, including the Ducato, which was voted 'Best Motorhome Base' (today three out of every four motorhomes sold in Europe are Ducato-based).

<https://www.trigano-sea.com/00-it/>



**PRODUCTION OF MOLDS,
COLD-HOT FORMING AND
NEW MATERIALS**

- Numerous companies in the Abruzzo region operate in the production of moulds, hot and cold moulding processes and new materials. In particular, the design and construction of moulds (medium and large size) is destined for automotive components both hot and cold moulding processes.
- The numerous projects carried out for major automotive companies have allowed them to develop important know-how on the cold forging process over the years. In recent years, however, some companies, always open to new challenges, and thanks to their highly flexible structures, have started to go down the road of hot stamping in favour of higher yields and lower consumption, as well as increased performance requirements.
- Due to their propensity for research and development, in addition to hot forming technology, some companies have also dedicated themselves to the development of processes for other innovative forming technologies such as hydroforming and gas forming.
- Some, on the other hand, specialised in the design and production by injection moulding of thermoplastic and rubber components.



**PRODUCTION
OF MOLDS,
COLD-HOT FORMING
AND NEW
MATERIALS**

- Other companies are highly specialised in the production of thermoplastics by injection moulding. Some companies have developed moulding technology and produce a variety of products (both functional and aesthetic) obtained by injection of several materials in the same production cycle.
- Among the companies operating in this technological area are companies specialising in both plastic blow moulding (mainly used for the production of tanks) and injection moulding of flexible polyurethane foam for the production of components for two- and four-wheelers.
- Other companies are active in the manufacture of car interiors, in particular in the production of components for the automotive industry, with a focus on the segment of car headliners, as well as under-bonnet shelves and side pillar covers.

**PRODUCTION
OF MOLDS,
COLD-HOT FORMING
AND NEW
MATERIALS**

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



ACS Advanced Composites Solutions Srl

ACS produces composite products in carbon fiber, glass fiber and aramid, working for important brands and companies in the following sectors: automotive, aerospace, marine, transport, civil protection, building, design and interior design.

www.acs-carbon.com

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



ARS TECH

ARS TECH's vision is to introduce a new paradigm that pushes the production of composite materials to the next level of the automotive industry.

ARS TECH embraces this industrial vocation by developing and producing frames and bodywork elements in carbon fiber, dedicating itself exclusively to the Automotive-Motorsport sector.

<https://www.ars-tech.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



BAOMARC

A manufacturer of components for the automotive industry and a leading supplier to major car manufacturers.

The Baomarc Group handles steel and aluminium machining processes - especially roll forming and stretch bending - with equipment designed and built by companies within the Group. The entire process development is conceived and industrialised in-house.

The Abruzzo plant deals with stamping of components for the automotive industry.

<https://www.baomarc.it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



C.A. STAMPI S.R.L.

It has been operating in the mechanical machining sector since 1977, providing an advanced range of services for product industrialisation. In addition to the design and manufacture of moulds, C.A. Stampi offers the international machining market multiple services.

<https://www.castampi.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



C.A.M.S. S.P.A.

A company specialising in the design and manufacture of sheet metal forming dies, progressive dies, block dies and deep-drawing dies. Design capacity and cutting-edge technology allow C.A.M.S. to be a supplier of excellence in sectors such as automotive, cycle and motorbike and electromechanical.

The company is strongly active in the design and construction of moulds and mechanical equipment, prototyping and co-design of sheet metal components. It also has experience in product-process co-design with companies in the automotive sector.

<https://camsstampi.it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



CARBOTECH INNOVATIVE

Leading manufacturer of advanced composite components. Carbon fibres, glass aramid and other types of fibres. Solutions for innovation range from automation through to digitisation of transformation processes, and even the extremely complex processes of moulding preforming or kitting and sequencing.

<https://www.carbotechinnovative.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



COESUM

A leader in design, 3D and industrial production projects. Specialising, among other things, in the mass production of plastic parts through the construction of final moulds. The COESUM service always includes complete project management, from tooling design to plastic moulding or aluminium and zamak die-casting.

<https://coesum.it/>

**PRODUCTION OF MOLDS,
COLD-HOT FORMING AND
NEW MATERIALS: FACTORIES**



CO.ME.ST. s.r.l.

COSTRUZIONI MECCANICHE - STAMPI

CO.ME.ST. Srl

Designs and manufactures stamping and deep-drawing dies for medium and small metal parts, and also stamps and assembles components for the motorbike and automotive sectors.

<https://www.comestsrl.it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



EVOMEK SPA

EVOMEK SPA

A modern aluminium alloy foundry specialising in gravity die casting capable of creating complex shaped castings with high mechanical properties and a very high level of surface finish.

It specialises in the supply of motorbike components. It competes in the market with a high level of efficiency achieved through the use of technological innovations and continuous process improvement.

<https://www.evomek.it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



F.I.S.E.M. S.R.L.

One of the leading companies in the industrialisation and production of components for the automotive and railway industries, with particular reference to motorbikes with the production of saddles, by means of a flexible polyurethane foam injection moulding process, and tanks, by means of a blow moulding process. Fisem is able to collaborate with customers from the early design stages, to achieve optimised production of high quality components, through its lines of: polyurethane moulding, blow moulding, plastic injection and industrial upholstery, and rotational moulding.

<https://www.fisem.it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



GI.GA COMPOSITE

Operates in the production of composite material components mainly for the automotive and fibreglass sectors; materials through which very high quality parts are obtained in terms of strength and lightness. It produces automotive components intended to meet safety requirements (seats, helmets, steering wheels) and high-end aesthetic components, dashboard air intakes, door interiors for Ferrari cars, as well as bodywork components for military vehicles.

<https://gigacomposite.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



HTP

Moulds plastic parts for third parties, using ABS, Polypropylene, Polyethylene, Nylon and others as raw materials. These parts are intended for use in industrial sectors, including the automotive and motorbike industries.

<https://htpitalia.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



IMR INDUSTRIES

The group develops, designs, produces and distributes car interiors for the world's top car makers such as Bentley, Lamborghini, Ferrari, Aston Martin, Porsche, Maserati and others. It is a group committed every day to finding the best solutions that the market demands. The main technologies include compression thermoplastics, injection thermoplastics and thermosets.

<http://www.imr-industries.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



INDUSTRIA LAVORAZIONE METALLI S.R.L.

A well-established company that since 1990 has been synonymous with high quality and technology in the cold forging of ferrous and non-ferrous metals; in the automotive industry it plays a leading role, having consolidated its presence over the years on both Italian and foreign markets thanks to know-how and constant growth.

The equipment of 25 hydraulic, pneumatic and transfer presses from 30 to 800 tons, bending and co-moulding presses, cutting and bending machines and profiling lines enable the acquisition of major supplier orders.

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



ITALPROGETTI SRL

A leader in the field of cold forging, profiling and welding of sheet metal, it operates in the automotive, motorbike, electro-mechanical and railway sectors. It also has a precision mechanics department equipped with highly sophisticated machines that, in addition to machine and plant components, is able to produce highly complex sheet metal moulds.

<http://www.italprogettisrl.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



LA TECNOMECCANICA SUD

It is a leader in, among other things, cold metal stamping and deep drawing, with a press fleet capable of guaranteeing reliability and product quality.

<https://latecnomeccanicasud.it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



MA S.R.L.

The company is part of the CLN Group, one of the world's leading steel and automotive component assemblers.

MA, in particular, is the automotive metal components division for the sheet metal machining of car and commercial vehicle parts and body and chassis components. It deals with stamping, assembly and profiling.

<https://www.gruppocln.com/it/ma>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



MARELLI SUSPENSION SYSTEM ITALY SPA

Designs and manufactures suspension modules and components for motor vehicles. It specialises in the treatment of metal and plastic surfaces with electrolytic and chemical processes.

<https://www.marelli.com/it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



MAR PLASTICA

A company of the Marfisi Group that produces components by injection moulding of thermoplastic materials. Moulding is carried out using excellent raw materials such as ABS, polypropylene, polyethylene, nylon and others, thus making it possible to produce products characterised by high complexity and qualified in terms of both mechanical and aesthetic characteristics. The components produced by MAR Plastics are destined for use in important industrial sectors, especially the automotive and motorbike industries.

<https://www.marplastica.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



MARPRESS

A company of the Marfisi Group operating in the field of die-casting and gravity casting of light alloys. It produces aluminium components for third parties, complete with mechanical machining, surface treatments and assemblies. The mechanical components produced by MAR press are characterised by their high mechanical properties and dimensional precision, even in the case of complex castings. The dynamic and flexible company aims at complete customer satisfaction. The main activities of the steel processing department are: robotized welding by means of state-of-the-art technology; tube deformation by means of automated systems; component sub-assembly.

<https://www.marpress.it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



MEVEPA

Specialises in the field of metal and sheet metal working for mould and tool making. In particular, it operates in the automotive, sheet metal stamping and control die sectors.

<https://www.mevepaitaly.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



OMR

The OMR Group is a leading global manufacturer of automotive components and integrated solutions, supplying leading automotive manufacturers with engine and transmission components in aluminium and cast iron, aluminium structural parts and complete aluminium chassis with machined and welded components.

OMR Atesa manufactures complete aluminium chassis and subframes.

<https://www.omrautomotive.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



PCMIT
member of **P&CSYSTEM**

P.C.M. SRL

P&C System is an international group specialising in stamping. The group includes PCM of Castellalto (Te), which has focused on the stamping and assembly of steels and light alloys in the automotive sector.

<https://www.p-csystem.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



PESCAVI SRL

It is involved in co-moulding and insulation, application of heat-shrink tubing insulation products / co-moulding.

Co-moulding or injection moulding (casting of thermo-moulded plastic material) allows two objects (e.g. special connectors assembled on cables) to be encased in a plastic that makes the assembly robust and watertight.

<http://pescavi.net/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



PRIMA EASTERN SPA

It is engaged in the manufacture of upholstery components and accessories for cars, planes, trains, other means of transport and any other use, type and material.

<https://www.pscomponents.eu/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



PROMA GROUP SPA

The Group is the sector leader in Italy and in general in the markets in which it operates for the supply of metal seat structures; it is among the first suppliers of the world's main OEM's for metal (steel or aluminium) and plastic body parts. The Group places a strong emphasis on R&D activities. Over the years they have obtained numerous patents, both for seat parts and for other parts, such as winches, jacks, crash box crossbars, dashboard crossbars, and front and rear suspension.

<https://promagroup.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



ROBOTEC (SAPA GROUP)

ROBOTEC S.R.L. deals with the production and processing of plastics and, specifically, car accessories and components, construction and testing of car prototypes.

<https://sapagroup.net/it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



S.I.G.I.T SPA

A leader in the automotive industry as a supplier to car makers and Original Equipment Manufacturers. Sigit designs and develops thermoplastic and rubber components according to customer specifications and using the most advanced design tools available on the market. All the necessary tests are conducted in Sigit S.p.A.'s factories to guarantee product conformity to International Standards.

<https://www.sigit.it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



SILATECH

A company of the Sila Group, is a leading manufacturer and distributor of gear shift systems and flexible remote control cables for the world's leading car manufacturers, as well as a cable and conduit manufacturer.

<https://www.grupposila.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



STELLANTIS - ATESSA PLASTIC UNIT

The company is part of the Stellantis group, is based in Val di Sangro and manufactures plastic components for the group's light commercial vehicles.

<https://www.stellantis.com>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



SUSTA SRL

It began designing and building moulds for automotive components in 1992. The ability to produce moulds of medium and large dimensions, to interpret the customer's needs and to quickly adapt the project and its realisation to the customer's requirements make Susta a flexible and decisive partner for the world's leading car manufacturers. All this translates into the production of moulds that give rise to structural components and exterior panels for cars of great value and prestige. The know-how developed over the years initially involved the tradition of cold forging, and then also approached the technique of hot forging, in cooperation with its main customers, including through R&D initiatives at Italian and European level.

<https://www.susta-stampi.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



T.M.C. TUMINI MECCANICHE COSTRUZIONI S.R.L.

Active in the design, construction and assembly of metal carpentry and mechanical constructions with particular reference to the production of two-wheelers and fitness equipment.

<http://www.tmcvasto.com/it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



TECNOMECC SUD

A company capable of satisfying the needs of customers operating in the engineering field in general and the automotive sector specifically. It specialises in the machining of cold stamping of sheet metal on traditional mechanical presses and transfer presses with capacities from 120 to 1000t capable of processing steel and aluminium sheets with thicknesses ranging from 0.6 to 6mm.

<https://tecnomeccsud.com/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



TASSO SRL (TR INDUSTRIAL)

It has more than 25 years of experience in the subcontracting of semi-finished plastic and metal products. It designs and manufactures components for: automotive, furniture and interior design, production machinery, forklift trucks, earth moving equipment, interior and exterior cladding for special vehicles such as campers and caravans, packaging, bodywork and mechanics for microcars and more.

<http://www.tasso.it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES

TIBERINA

TIBERINA SANGRO

A company of the Tiberina Group, one of the leading suppliers in terms of size and business contracts, in the automotive and off-highway sector, representing a reference reality for the automotive supply system. Tiberina Sangro has developed a high level of know-how in the technology of moulding and sheet metal forming of automotive components, carried out in all the methods known to date, cold, hot, progressive and robotised, using machines with capacities of up to 2500 tons. The company also has many years of experience in operating complex welding lines, both manual and robotised. The product range consists of numerous stamped, sheet metal and assembled vehicle body parts. Tiberina Sangro works for major national and international industries operating in the automotive field.

<https://www.tiberinagroup.com/it/>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES

U.form
HOT STAMPING

U.FORM SRL

It produces sheet steel parts that are part of the safety cell of motor vehicles. It operates in hot stamping.

<https://www.u-form.it>

PRODUCTION OF MOLDS, COLD-HOT FORMING AND NEW MATERIALS: FACTORIES



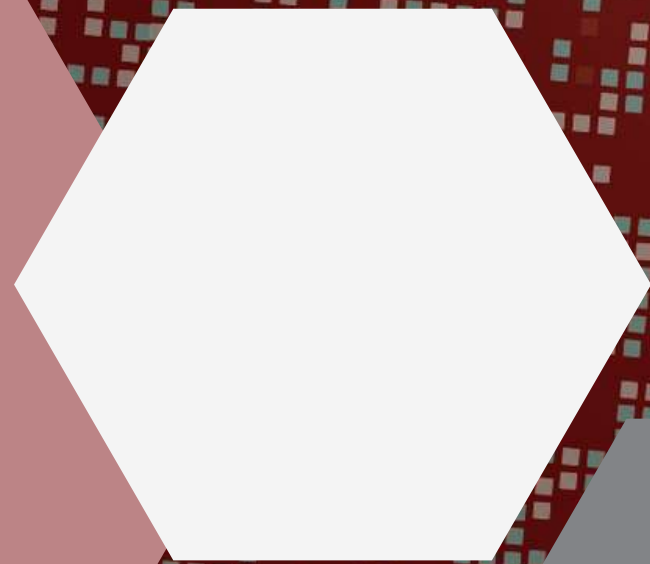
UNIVERSITY OF L'AQUILA

The Department of Industrial and Information Engineering and Economics (DIIE) is involved in various sectors of different disciplines with interests and partnerships in European and international research areas.

Specialising its studies in the field of composite materials, the mechanical technologies group at the University of L'Aquila brings together the interests of the world's most important research groups on the study and characterisation of both thermoplastic and thermosetting materials, ranging over their testing and manufacturing technologies. Through the technology laboratory, various characterisation and testing activities of conventional and non-conventional materials have also been performed by developing purpose-built and on-site systems and equipment as well as conventional testing machines and methodology. It boasts filament winding machines, bursting chambers for composite materials testing and all that is necessary for the testing of metallic materials.



CONNECTED VEHICLE



- Technologies related to the connected, geo-localised and cyber-secure vehicle are attracting increasing attention from the automotive industry, which is equipping itself with on-board sensors and communication devices through which it can send and receive navigation and context information from heterogeneous sources, as well as processing devices that make it an 'intelligent' node of a network of vehicles capable of reconstructing the mobility scenario for the geographical area of interest, in order to prevent potential dangerous situations and better manage resources.
- The collection, processing and dissemination of an ever-increasing amount of information that is able to improve the management of traffic flows is fundamental to support the assisted/autonomous driving processes of vehicles, together with the refinement of localisation systems and algorithms for which the central role is played by satellites. This presupposes that the individual vehicle is able to determine its position with the highest accuracy, through data integration processes and algorithms from heterogeneous technologies, as well as to communicate with other nodes in the network efficiently and securely in terms of the integrity and confidentiality of the information transmitted over the radio channel.



CONNECTED VEHICLE

- With regard to the reception-transmission of information, whether of mobility or environmental context, it is necessary to distinguish between intra-vehicular and inter-vehicular communication;
- The former refers to the exchange of short-range information, wireless or over a wired connection, between the sensors and the on-board processing systems, through which vehicle diagnostics are carried out and mobility parameters are estimated;
- The latter communication component refers to the exchange of information between the vehicle itself and other vehicles, elements of the infrastructure network of different hierarchical level e. g. RSUs (Road Side Units) or mobile communication devices of pedestrians and other road users, referred to as Vulnerable Road Users - VRUs.



CONNECTED VEHICLE

CONNECTED VEHICLE: FACTORIES



RADIOLABS CONSORTIUM

It is a Consortium formed by the University of Rome Tor Vergata, University of Roma Tre, University of L'Aquila, Hitachi Rail STS, WESTPOLE, Intecs Solution. Thanks to the close collaboration between Industrial Partners and Academic Bodies Radiolabs operates with international joint teams and participates in the main European research programmes funded by H2020, Horizon Europe, ESA, ASI. Through its constant focus on innovation and an efficient internal research and development process, the RadioLabs Consortium aims at building a strong shared engineering culture within the group, leveraging the best practices recognised in the various research centres and universities at an international level and the continuous comparison with consortium member companies as well as with application and service providers.

CONNECTED VEHICLE: FACTORIES



ELITAL

Elettronica Italiana was founded in 1986 and rapidly expanded its capabilities in the design and production of complex and multidisciplinary systems, subsystems and complete products. The fields in which the technology is applied are mainly Space and Defence, including Homeland Security, with the products and technologies in the field of telecommunications known as SATCOM in both transportable station applications (SOTP) and SOTM (Satcom On The Move).

<https://elital.com/>

CONNECTED VEHICLE: FACTORIES



LEONARDO

An international industrial group that builds technological capabilities in Aerospace, Defence & Security. A protagonist in the main strategic programmes at global level, it is the technological partner of Governments, Defence Administrations, Institutions and companies. In Abruzzo, Leonardo is present with three world-class centres of excellence: the one in Chieti dedicated to cyber security for the industrial, defence and aerospace group; the production hub in L'Aquila dedicated to the Group's avionics activities, with the design and certification of identification systems installed on board aircraft, both military and civil, and avionic communications equipment; and Telespazio's Fucino Space Centre, which operates in geoinformation services, satellite systems and operations, and satellite telecommunications.

<https://www.leonardo.com/it/>

CONNECTED VEHICLE: FACTORIES



TELESPAZIO

Italy's largest majority-owned company in high value-added space services. Telespazio, a joint venture between Leonardo S.p.A.(67%) and Thales (33%), is among the world's leading operators in the field of satellite services. The company is at the forefront in sectors that are becoming increasingly important in the lives of institutions, companies and consumers: from the design and development of space systems, to the management of launch services and in-orbit satellite control; from Earth Observation services, integrated communications, satellite navigation and localisation, to scientific programmes. Telespazio now covers the entire space market value chain. Satellite services find in Telespazio an operator attentive to new market needs, with innovative ideas, new solutions to offer and international projects to implement. Through its work, Telespazio contributes to innovation, transforming what were simple possibilities into services dedicated to an increasingly broader public. Telespazio can draw on a wealth of experience of the highest level, which stems from the technological skills acquired in over 50 years of activity, the management of space infrastructure - including the Fucino Space Centre, the world's largest teleport for civil use - and participation in major space programmes.

<https://www.telespazio.com/it/home>

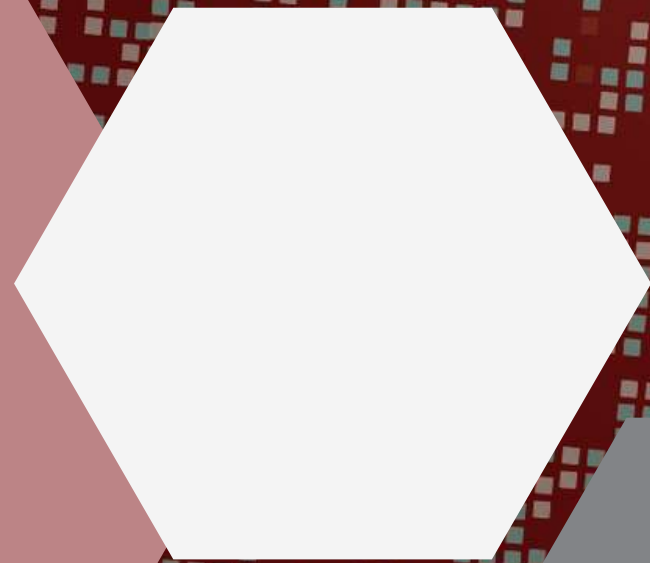
CONNECTED VEHICLE: FACTORIES



UNIVERSITY OF L'AQUILA

The Department of Engineering and Information and Mathematical Sciences (**DISIM**) carries out research in which relevant activities and a large number of projects are developed in the fields of wireless and mobile communication and photonic technologies. Some competences are also referable to the Departments **DIIE** - Department of Industrial and Information Engineering and Economics and **DFSC** - Department of Physical and Chemical Sciences. The main research and teaching areas relating to telecommunications systems and HW/SW technologies are: signals, communications and networks; embedded HW/SW technologies; sw engineering and architectures; applied electromagnetics and photonics; cryptography, modelling and optimization. The Centre of excellence EX-EMERGE (Centre of EXcellence on Connected, Geo-localized and Cyber-secure vehicles) of the University of L'Aquila was founded in 2019 and it represents a major goal of the broader EMERGE (Light Commercial Vehicles & Emerging Technologies for dual-use in “everyday operations” and “emergency”) research program: that program had been formerly selected and approved by the Inter-ministry Committee for Economic Planning (CIPE) of Italy with act n. 70/2017 in the frame of RESTART, an initiative of the Italian Government that relies on research and technology advances as a driver for the economic and social development of L'Aquila and Abruzzo region after the earthquake of 2009.

ELECTRIC ENGINES



- The reduction of CO2 emissions, pollutants and noise and the protection of the surrounding environment represent one of the key issues to which the automotive sector must pay more attention, in line with the European Green Deal and, in general, with all relevant legislation. In particular, from 2035 internal combustion vehicles will be banned in Europe as part of the 'Fit for 55' package of the European Green Deal to combat climate change, decarbonise Europe and achieve climate neutrality.
- In line with this orientation, a number of companies in Abruzzo have experience in both the design and production of motors for electric vehicles and components. Examples include alternators, starters, brushless and standard motors for vehicle ventilation, standard motors for radiator cooling, and motors for operating rear window wipers.
- Abruzzo companies are also active in the development of technologies to improve the efficiency of powertrain systems. In particular, thanks to research and development activities, they design and manufacture winding machines for new-generation electric motors, starter motors, alternator stators and other technologies.

ELECTRIC ENGINES

ELECTRIC ENGINES: FACTORIES

DENSO

DENSO MANUFACTURING ITALIA S.P.A.

Combines advanced technologies with quality and service standards in line with customer requirements. The main business activities are: alternators, starters, small engines for the automotive sector.

<https://www.denso.com/it/it/about-us/company-information/dmit/>

ELECTRIC ENGINES: FACTORIES



TECNOMATIC S.P.A.

The ideal partner for top-level automotive component manufacturers and car manufacturers, in product industrialisation and process development, in the design and construction of automatic lines and special machines, and for the prototyping and production of motors for electric vehicles.

Tecnomatic is a leader in the field of research, design, prototyping and patents. The main 'fields of application' are winding machines for new generation electric motors with rectangular/square section copper wire for hybrid applications, starter motors, alternator stators, transmission timing belts, fibre optics and others; Assembly and testing for locks and actuators, engine crankcases, sunroofs, oil pumps, water pumps, seat belts, airbags, steering boxes, depressor carrier modules, brake systems, turbo compressors, glow plugs for diesel engines, electric window lifters, low-voltage electrical switches, and others. Tecnomatic builds automation processes that stand out for their effectiveness, efficiency and quality.

<https://www.tecnomatic.it>

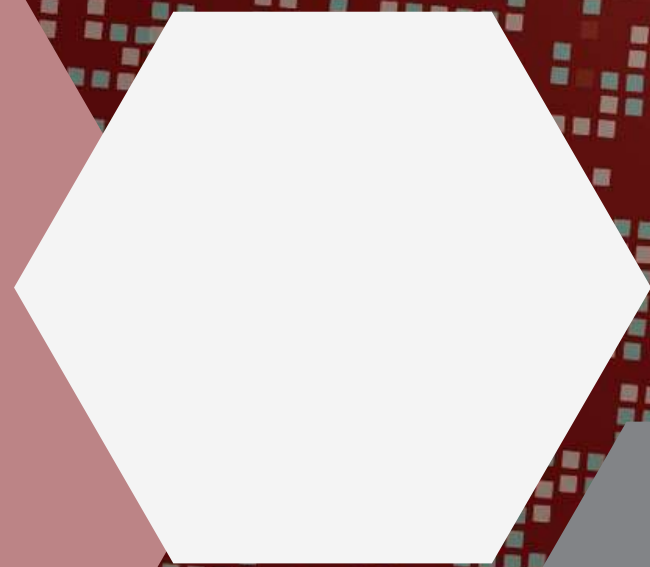
ELECTRIC ENGINES: FACTORIES



UNIVERSITY OF L'AQUILA

The Department of Industrial and Information Engineering and Economics (DIIE) conducts basic and applied research through a series of research laboratories. The academic body forms an interdisciplinary team with expertise in the fields of Electrical and Electronic Engineering, Computer Science and Technology, Telecommunications, Economics, Mathematics and Physics. UNIVAQ, through its DIEI, has gained considerable experience in the field of electrical machine design over the years. In this field it has collaborated with numerous companies and participated in numerous research projects funded by the European Community, the Ministry of Universities and Scientific Research and the National Research Centre. In the field of electromechanical design, DIEI has developed and fine-tuned, through the use of analysis tools based on Finite Element codes interfaced with optimisation algorithms, advanced methodologies for the dimensioning of asynchronous, synchronous permanent magnet (isotropic and anisotropic) and "variable reluctance" electric motors for applications in the industrial, automotive and electric traction and handling sectors.

OTHER TECHNOLOGIES



In addition to the above-mentioned technologies, the automotive sector in Abruzzo has also developed consolidated know-how in other technologies.

The main ones can be summarised as follows:

- logistical processes from a management point of view (with software and hardware)
- verification and validation of vehicle safety
- painting processes and surface treatments, such as electrolytic galvanising
- design and production of glass automotive components
- design and implementation of robotic and automation systems
- design and manufacture of hydraulic hoses and fittings, as well as equipment for their assembly, testing and inspection
- design, development and production of brakes, clutches and actuators
- design, construction and installation of assembly lines, processing lines, special machines and vision systems
- rail freight logistics services, conventional and intermodal, nationally and internationally
- design and construction of mechanical components using precision mechanics
- additive manufacturing.



OTHER TECHNOLOGIES

OTHER TECHNOLOGIES: FACTORIES



ABALOG

Was founded in 2001 as a provider of transport and logistics, personnel administration and IT systems in the supply chain world. Later, it broadened its focus through the development of logistics and management software, automation, IoT and analysis of economic and operational data, in order to provide customers with tools that anticipate events, not just manage them. Today, Abalog is a company operating in the logistics and transport IT sector. The company has the logistics services segment as its core business and operates in the market through distinctive competences, particularly in the field of automation and software services for transport and logistics.

<https://www.gruppodicosimo.com/abalog-software-automation/>

OTHER TECHNOLOGIES: FACTORIES



AISICO SRL

It has been involved in the field of transport safety for over thirty years and offers crash and laboratory testing, consultancy and training services thanks to a qualified team of over fifty people. Aisico performs crash tests according to the most widespread European and international standards on all types of road equipment. Aisico is involved in innovation and research projects and boasts 10 industrial patents.

<https://www.aisico.com/>

OTHER TECHNOLOGIES: FACTORIES



ALFA GOMMA HYDRAULIC S.P.A.

The Hydraulics division of Alfagomma deals with the design, production, marketing and after-sales service of rubber hydraulic hoses with braided and spiralised reinforcement, metal and textile hoses and shaped metal hoses for hydraulic and industrial systems and orometrics, production

marketing and after-sales service of metal hoses, fittings, adapters and accessories for hydraulic and industrial installations.

<https://www.alfagomma.com/>

OTHER TECHNOLOGIES: FACTORIES



APRA SPA

Works closely with global IT leaders to provide comprehensive solutions, including consulting services and technology, tailored to the specific needs of the industry. With national and international software and the know-how of experienced consultants and developers, we cover all the skills needed to thrive in this constantly changing environment.

<https://www.apra.it/>

OTHER TECHNOLOGIES: FACTORIES



ASSEMBLAGGI S.P.A.

ASSEMBLAGGI S.P.A. is an industrial reality in the Commercial and Industrial vehicle assembly and fitting sector. In particular, it is involved in the assembly of complete original equipment wheels and complex components, typically in the automotive sector, and in integrated logistics.

<https://www.assemblaggigroup.it/>

OTHER TECHNOLOGIES: FACTORIES



CARBOTECH.

Research, innovation and development are the watchwords of the Martinsicuro-based company, which managed to count itself among the innovative SMEs in 2015. Production covers graphite, metalgraphite and electrographite brushes for various applications such as: starter motors, alternators, window lifters, H-VAC, power tools, domestic applications, etc.

<https://www.carbotech.it/>

OTHER TECHNOLOGIES: FACTORIES



CETEAS SRL

It's specialises in the production of special forklifts, industrial and automatic plants, logistics equipment, mobile roofing, paper and carton compacting presses, AGVs and LGVs.

<https://www.gruppodicosimo.com/ceteas-centro-tecnico-assistenza/>

OTHER TECHNOLOGIES: FACTORIES



CHIAROTTI VERNICIATURE S.R.L.

It operates in the industrial painting sector, specialising in the treatment of all types of substrates: metals (steel, aluminium and alloys), plastic and composite materials (ABS, Nylon, fibreglass, polypropylene, carbon fibre, etc.), wood and glass.

<https://www.chiarottiverniciature.it/>

OTHER TECHNOLOGIES: FACTORIES



DAYCO EUROPE SRL

A world leader in the research, design, production and distribution of essential engine components, drive systems and services for cars, trucks, construction, agricultural and industrial machinery. It offers a wide range of products: belts, tensioners, pulleys. The most commonly used transmissions are those for distribution drive (synchronous drive) and those for accessory drive (non-synchronous drive).

<https://www.daycoeuropa.com/>

OTHER TECHNOLOGIES: FACTORIES



Delta Automation

Robotics, Automation and more....

DELTA AUTOMATION

It has been in the industrial automation and robotic plant sector for years. It deals with robotics, design and development of industrial software, plc software, mechanics and design, electrical engineering, integration of robotised plants, industrial robots, automatic machines, assistance, maintenance and safety. From the design of new plants to the reconversion of existing ones, Delta Automation operates by designing and implementing solutions capable of improving the performance of its customers and solving the most varied problems linked to the production processes of any type of company, in whatever sector it operates.

<https://www.delta-automation.it/>

OTHER TECHNOLOGIES: FACTORIES



DISKOVER

Use digital services and artificial intelligence to create value through digital transformation, powering a safer, more efficient and sustainable industrial era. The objective is to improve productivity, efficiency, safety and prevent anomalies in industrial processes, transforming intuitive decisions into data-driven strategic choices.

<https://diskover.it/>

OTHER TECHNOLOGIES: FACTORIES



FLEX PIPE S.R.L.

FLEXPIPE operates in the automotive sector and beyond, producing Flexible Metal Tubes, Exhaust Pipes, Manifolds, Insulated Tubes and Medium and Light Metal Carpentry.

<https://flexpipe.it/>

OTHER TECHNOLOGIES: FACTORIES

The logo for GREYHOUND, featuring the word "GREYHOUND" in a bold, italicized, lime green font with a horizontal underline of the same color.

GREYHOUND S.R.L.

GREYHOUND S.R.L. manufactures kart seats in the belief that the seat is not just a simple accessory, but a factor capable of making a real difference to the driver's daily performance and training.

<https://greyhoundseats.com/>

OTHER TECHNOLOGIES: FACTORIES



HI TECH REVENGE SRL

It operates in two sectors, that of industrial components in technoplastic material and that of gasket systems in elastomeric material. It supports large companies in the marine sector, SMEs in hydraulic components, manufacturers of earth-moving machinery, industrial plant manufacturers and many others. In 2023 the company was awarded by the USA Italy Foundation as one of the best Italian start-ups.

OTHER TECHNOLOGIES: FACTORIES



HITECO

It realises innovative tailor-made solutions, making use of methodologies and professional skills matured in almost 30 years of activity, as well as integrating the best and most modern technologies on the market, to help companies adapt processes and procedures to the complexity and dynamics of their specific operating realities, markets and sectors, with the aim of constantly improving their effectiveness and efficiency.

<https://www.hiteco.it/>

OTHER TECHNOLOGIES: FACTORIES



IGEA Srl

IGEA Srl produces adhesive technologies, labels, emblems and metal badges for the automotive industry.

<https://www.igeaonline.com/it/>

OTHER TECHNOLOGIES: FACTORIES



I.M.M. hydraulics S.P.A.

It is an Italian multinational company that designs, manufactures and distributes hydraulic hoses and fittings, as well as equipment for their assembly, testing and inspection. In 2013, I.M.M. Hydraulics S.p.A. became part of Interpump Group SPA, the world's largest manufacturer of professional high-pressure piston pumps for water and one of the main groups operating on international markets in the hydraulics sector. Sectors that use hydraulic hoses, and specifically the automotive sector, require increasingly evolved products, capable of guaranteeing, on the one hand, consistently high levels of performance (in terms of mechanical and chemical resistance, and fluid-dynamic sealing), and on the other, compliance with product conformity, including aesthetic ones. IMM has always been oriented towards development and research, also in collaboration with scientific bodies in the area; developing technologies within the scope of the manufacture of the most widely used products, but also oriented towards the design of innovative systems not present on the market, including some specific patents.

<https://www.interpumpfluidsolutions.com/it/>

OTHER TECHNOLOGIES: FACTORIES



ISRINGHAUSEN SPA

A global, market-leading company for the development and production of innovative seating systems for commercial vehicles and technical springs. Their products are used in commercial vehicles, trucks, buses and construction systems. In Abruzzo they have a plant in Val di Sangro.

<https://portalede.isri.it/Root/Contact.aspx>

OTHER TECHNOLOGIES: FACTORIES



LAZIALE INTERNI AUTO SRL

It is involved in the cutting, sewing and assembly of upholstery parts and works on behalf of primary industries supplying car manufacturers for the railway and aeronautical sectors. At its plant in Val di Sangro, specifically in Paglieta (CH), it manages the production of industrial vehicles.

<https://www.interniauto.it/>

OTHER TECHNOLOGIES: FACTORIES



ME.GA - S.R.L.

Operates in the field of the production of mechanical parts and accessories and in particular deals with the treatment and coating of surfaces on mechanical components. In particular, the company carries out static and rotary electrolytic galvanising, zinc-alloy treatments, phosphating and cathodesis, anodising, chromating, oxychlorination, electropolishing on aluminium and stainless steel, satin-finishing and sandblasting using technologically advanced plants and modern control equipment.

<https://www.megazinc.com/>

OTHER TECHNOLOGIES: FACTORIES



MFM SPA

Operates in the logistics sector, specifically in forklift handling and equipment for indoor and outdoor use for heavy, long, high and low loads.

<https://www.mfm spa.it/>

OTHER TECHNOLOGIES: FACTORIES



MGR SRL

MGR SRL produces electrical wiring harnesses for the automotive and white goods sectors. Today, along with the wiring harnesses, it also produces fan and wiper ignition assemblies for the automotive sector, electromechanical assemblies ranging from fan assemblies to light components for the motorbike sector, and moulds and co-moulds windscreen wiper and wiper lever assemblies and covers for ignition assemblies.

<https://www.mgr-srl.com/>

OTHER TECHNOLOGIES: FACTORIES



NOVATEC SRL

It was founded as a spin-off of the University of L'Aquila, with the idea of bringing to the market the knowledge and skills gained by university professors and qualified technicians with engineering and economic backgrounds, and a leading company in the field of design and construction of special machines and automatic assembly lines.

<https://www.novatecspinoff.com/>

OTHER TECHNOLOGIES: FACTORIES



OSLV ITALIA SRL

OSLV deals with tergency and automation. In particular, it specialises in the design and manufacture of windscreen wiper systems for vehicles, in the production of motors, geared motors and DC electric actuators.

<https://www.oslv.com/>

OTHER TECHNOLOGIES: FACTORIES



P. & L. INDUSTRY S.R.L.

The main activity is the welding of stainless steel parts, mainly of exhaust systems and accessories for motorbikes and scooters. The company also deals with cylinder guards and windscreen accessories.

<https://www.pel-industry.it/home/>

OTHER TECHNOLOGIES: FACTORIES



PIERBURG

PIERBURG PUMP TECHNOLOGY ITALY S.P.A.

As part of the KSPG Group, is the specialist for reducing harmful emissions, air intake and throttle valves. It develops and produces automotive components, modules and future systems for the reduction of fuel consumption and emissions as well as the optimisation of power, comfort and safety.

<https://www.pierburg-sa.es/en/>

OTHER TECHNOLOGIES: FACTORIES



PILKINGTON

PILKINGTON ITALIA S.P.A.

NSG Group produces and sells glass in Italy under the Pilkington brand, especially for the automotive sector.

<https://www.pilkington.com/it-it/it>

OTHER TECHNOLOGIES: FACTORIES



PSP SRL

PSP s.r.l. - FACAR is an all-Italian company specialising in the remanufacturing of all steering system components for cars and light commercial vehicles, to reintroduce them into the market as new products.

<https://www.facar.it/>

OTHER TECHNOLOGIES: FACTORIES

PUREM
by Eberspächer

PUREM CASTELLALTO

It is a multinational company specialising in the production of exhaust systems for light commercial vehicles.

<https://www.purem.com/en/>

OTHER TECHNOLOGIES: FACTORIES



RAICAM

Is specialised in the design, development and production of brakes, clutches and actuators for the automotive industry. Thanks to a team of qualified engineers, it is always at the forefront in the design and development of innovative products and new solutions to ensure comfort and safety for drivers and efficiency for their vehicles.

<https://www.raicam.com/it>

OTHER TECHNOLOGIES: FACTORIES



SANGRITANA SPA

It is a regional company (sole shareholder Società Unica Abruzzese di Trasporto TUA S.p.A.), headquartered in Lanciano, Abruzzo, and consists of 3 main business units. Sangritana Cargo, the heart of the company's business, offers rail freight services throughout the national and international territory, managing conventional and intermodal transport, including block train services and complete door-to-door solutions. Transport covers a wide range of goods, from vehicles to chemicals, with options for hazardous goods and waste.

<https://sangritana.it/>

OTHER TECHNOLOGIES: FACTORIES



S.EL.ME.C. S.R.L.

It is among the market leaders in mechanical, electrical and software design, assembly, cabling, start-up, installation, testing and after-sales service of: assembly lines, processing lines, testing machines, special machines, supervision systems, vision systems.

<https://www.selmec.com/>

OTHER TECHNOLOGIES: FACTORIES



SIA SERVIZI INTEGRATI ASSINDUSTRIA S.R.L. – UNIPERSONALE.

The history of SIA began in 1999 as a service company directly emanating from Confindustria Chieti. In August 2015 it became part of the In Opera Spa group, an employment agency. Active in services supporting the integrated management of human resources, it is a training organisation certified according to ISO 9001:2000 sector EA 37 and EA 35. Its mission is to build quality training paths to provide an effective response to the growth needs of individuals and companies, enhancing their entrepreneurial potential and professional offer.

<https://www.siaservizi.com/>

OTHER TECHNOLOGIES: FACTORIES



SITEF SERVICE S.R.L.

SITEF SERVICE S.R.L. manufactures flexible metal hoses for automotive, commercial vehicle and industrial exhaust systems. All products, made of stainless steel, are easy to assemble, resistant to pressure, able to absorb movements and vibrations, and able to withstand thermal expansion.

<https://www.sitefservice.it/>

OTHER TECHNOLOGIES: FACTORIES



T.A. INTERNATIONAL S.R.L.

It is a company operating in the assembly, design and manufacture of cable harnesses, with a particular focus on automotive.

<https://www.tainternational.eu/>

OTHER TECHNOLOGIES: FACTORIES



TAUMAT S.R.L.

It operates in the precision machining sector, and specialises in the production of small components to be mass-produced even in large quantities, while meeting high quality standards. Production in the automotive sector is varied: shafts for diesel and petrol engines, high-precision bushings for turbochargers, wheel spacers, and others. The main production feature is flexibility in being able to handle special orders, i.e. requiring high precision manufacturing (craftsmanship) for a quantity of parts that would be too high for a craftsman, but not enough for an industry, whose production cost would be out of the market.

<https://www.taumat.com/>

OTHER TECHNOLOGIES: FACTORIES



TCM GROUP

It is active in mechanical electrical and fluidic design - also providing feasibility studies - in the construction, assembly, and installation of automated systems and machines. It also deals with the construction of mechanical parts and complete assemblies, precision carpentry with CNC machining, and additive manufacturing. It manufactures electrical automation panels, and carries out both Mechanical, Electrical and Fluid Assemblies, as well as 'On Site' maintenance at the customer's premises.

<https://tcmsrl.eu/>

OTHER TECHNOLOGIES: FACTORIES



TE CONNETTIVITY ITALIA Srl

It realises connectivity solutions in various sectors: transport, industrial applications, medical technology, energy technology, data communications and for the home.

In particular, in its San Salvo plant, it deals with connectors for the automotive sector.

<https://www.te.com/>

OTHER TECHNOLOGIES: FACTORIES



VERINDPLAST Srl

It operates in the industrial liquid and powder painting sector, collaborating with the world's leading players in the automotive and motorsport sectors. It prepares, paints and assembles metal, plastic and carbon components for production lines or the spare parts and accessories sectors.

<https://www.verindplast.com/>

OTHER TECHNOLOGIES: FACTORIES



VISION DEVICE

It designs, manufactures, installs and services dedicated Quality Control and Flexible Industrial Automation systems, with very high technological content, using machine vision, robotics and multisensory data acquisition technologies.

<https://www.visiondevice.com/>

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www.innovazioneautomotive.eu



Polo Innovazione
Automotive



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Automotive



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