

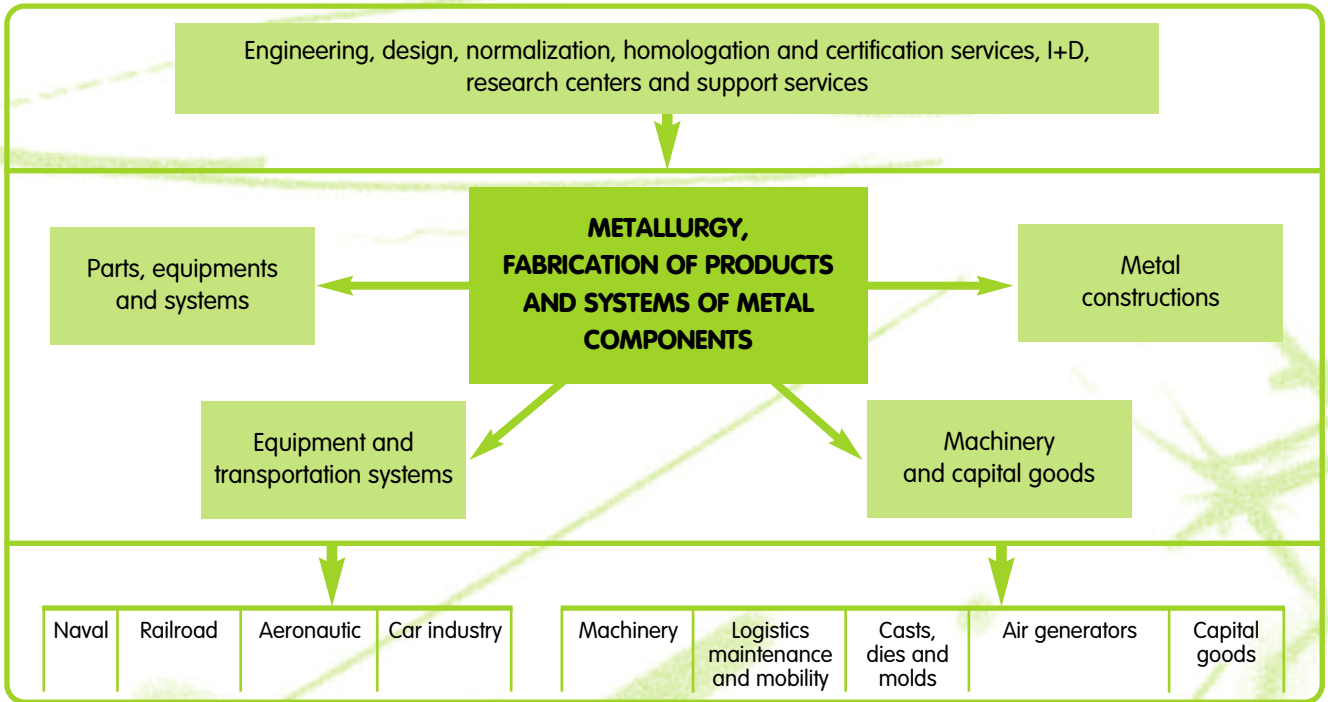


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**Metal
mechanics
in Galicia**

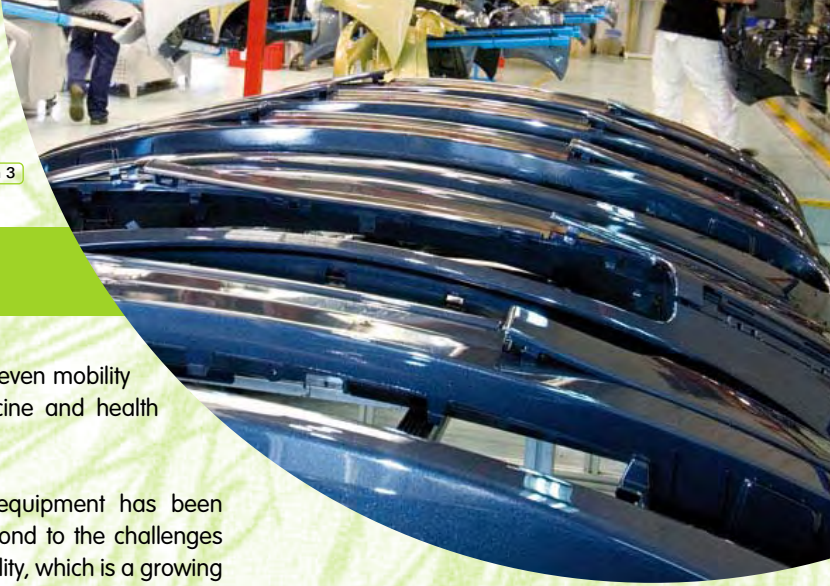
**innovations in
production and systems**

THE METAL INDUSTRY



photograph 1

photograph 3



IMPORTANT AREAS OF ACTIVITY

The metal industry in Galicia is involved in a wide range of activities, incorporating the latest technological advancements. It plays an important role in production, exportation and employment, and is a faithful reflection of the social and economic development of the country.

and logistics, and even mobility in the area medicine and health care.

In recent years, equipment has been developed to respond to the challenges presented by mobility, which is a growing demand in our society. The main products involved are: lifts, elevating platforms, cranes, specialized vehicles and accessories.

in areas such as prototyping and also related to the automation processes. Examples of these innovation include pressure injection in metals and plastic deformation processes of metals. In the area of prototypes, progress has been made in understanding the characteristics and behavior of metallurgic products before they are being placed on the market.

Advanced engineering and added value.

The metal industry is also nurtured by advanced engineering services, research and development, normalization, homologation and certification, all of which facilitate the evolution of industries in which automation is increasingly needed to be competitive. In the shipbuilding industry, innovative activities are making possible the development of the latest generation of ships and offshore platforms. In the automobile industry, their application is most frequently related to robotics, and the development of modern innovative methods such as laser, for specific production activities.

Advanced Cooperation (Comakership).

The metal industry is involved in environmental concerns. It is increasingly aware of the need to create and develop clean, low cost energy efficient technologies. Sustainable growth and environmental protection are important factors on all levels of the industry. Energy efficiency is also an important factor.

It is true that the metal industry nurtures resources and equipment in a wide variety of activities through the development of new materials and technical advances. In Galicia it is has become a state of the art industry achieving the highest of standards that respond to the needs of modern society.



photograph 2

The development of the metal industry has been achieved through the growth of mayor companies which compete successfully in the most demanding of global markets: these include the automobile, naval, and air generator industries, along with machinery, logistics, maintenance and mobility industries. In fact Galicia is one of the most important automobile production centers in Spain, and is also a leader in shipbuilding on a national level.

Experience in fabrication of parts, subsystems and systems.

The metal industry is involved in many other activities, which, directly or indirectly, reinforces its advancement and development. This industry provides activities that are key to construction, and it is directly linked to machinery and capital goods, transportation equipment, supplies for other activities including systems of plant production maintenance

Test centers along with normalization, homologation, and certification centers help in achieving quality control in materials, in developing innovation and in standard testing which are continually becoming more dynamic and efficient.

In the field of product engineering, advances are being made in design,

photograph 4



EXPERIENCE AND ADDED MARKET VALUE

In Galicia, companies related to metallurgy and fabrication of systems of metal components are highly competitive to contribute in equipment development, advanced supplies, machinery, metal structures, parts, and assembled structures. On the whole this represents a wide range of products and services that can play an important part in even the most demanding projects both for their efficiency and guarantees of quality.



photograph 5

The metal industry stands out for its development of innovative technologies, its excellent quality and its agile response to the most exigent necessities in producing parts, subsystems and systems, always based on advanced engineering techniques that respect the environment. These capacities attract related industries to Galicia where the industrial complex as a whole has reached a highly competitive and quality oriented level in the international market.

A consolidated network of companies and professionals.

The metal industry in Galicia is internationally consolidated. It not only exports its products to various destinations, but is represented by affiliates all over the world. Asia (mainly China), Europe, America, and Africa, and

photograph 6

it is involved in the most dynamic markets.

The development of production plants in foreign countries is the result of a series of strategic actions aimed to giving our clients what they want demonstrating their own capacities and dynamism.

International activities offer a wide variety of products and services from cars to shipbuilding, including heavy equipment, machinery-logistics-maintenance and engineering.

Cutting edge technological innovations.

Technical leadership and high quality production standards await any industry that needs metallurgical support in Galicia. There exists here an important network of parts suppliers, including subsystem and system levels that along with a strong foundation based in human capacities and accredited experience in creative values, allows for an excellent support system for even the most demanding of requirements.

Thanks to tradition and consolidation, the metal industry in Galicia has created a

structure that has become an important support network on the institutional, scientific and social levels that has opened the door for the development of the most modern and extensive multi-national business projects.

photograph 7



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