the green & kind land

ADVANCED MATERIALS AND NANO-TECHNOLOGY

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ArcelorMittal is the main world producer of iron and steel. Asturias is home to the only iron and steel plant in Spain, where the entire steel production process is undertaken. Each year it produces approximately a fourth of the steel produced in Spain.

It manufactures flat iron and steel products (thick sheets, tinplate, galvanised iron and galvanised painted iron) and long products (tracks and rods).

Main iron and steel refractory assembly plant in Spain. It is a well-established company in the field of manufacturing and positioning of refractory products, exploitation and marketing of Magnesium Silicate (Dunite. It also offers integral maintenance services.

Technology-based Company which produces and markets high-performance ceramic components based on advanced ceramics, nano-ceramics and nano-composites for use in industry and biomedicine.

DuPont Asturias boasts the most modern company production and service facilities in Europe. The Company currently focuses its activity over 3 fields: agriculture and nutrition, industrial biosciences and advanced materials.

This company belongs to the multinational Glencore Xstrata International, a world leader in zinc production. Asturiana de Zinc is the largest electrolytic zinc plant in the world (productive capacity of 510,000 tonnes each year, 47.4% from the Glencore group) and one of the most efficient on a world scale thanks to the development of its own technology.

SUCCESS STORIES

ARCELORMITTAL

PASEK ESPAÑA

NANOKER RESEARCH

DUPONT

ASTURIANA DE ZINC

THE ADVANCED MATERIALS AND NANO-TECHNOLOGY SECTOR IN ASTURIAS

The MATERIALS sector includes the extraction and refining of metals, manufacturers of chemical products, woods, forestry products, non-metallic mineral products and metallurgy. NANO-TECHNOLOGY is an activity that encompasses a wide range of scientific-technical disciplines with the aim of studying materials, particles and structures which entail the creation or presence of elements with dimensions of at least below 100 nm, a nanometre representing a millionth of a millimetre.

The RIS3 Research and Innovation Strategy of Asturias, approved in 2014, defines its priority areas as ADVANCED AND SUSTAINABLE MATERIALS and NEW PRODUCTION MODELS.

Companies

673

Jobs

17,874

Million € turnover

4,399

19 % of industrial companies.

The industrial weight of this sector in Asturias is considerably higher than that recorded in Spain in terms of employment and turnover.

Asturias has an important primary industry which it uses in its extremely high temperature furnace processes, at which only refractory materials can operate. This is why it has developed a hugely powerful local refractory industry, which includes local companies as well as large multinationals in the sector.

64 %

Significantly higher than figures recorded nationally.

Source: INE, IDEPA, 2016.

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FEATURES OF THE SECTOR

INNOVATION & TECHNOLOGY

- International acclaimed R&D institutions and agencies
- High-qualified HR available: 1,100 new graduates
- Deep-rooted industrial culture, a result of the region's history in mining and iron and steel works.
- 1,500 new graduates in Vocational Training technical studies.
- Average productivity.
- Industry-based training and support of the Asturian workforce, combining theoretical training with work experience in specific areas.
- Innovative Centre.


corporate entities, 32 academic research institutes, 69 R&D&i centers Academic research and development in Asturias in engineering, technology, communication, environmental research, health, food, agriculture, etc. are distributed into 3 sectors: Information and Telecommunication Technologies, Organisation of companies, economics and social sciences, and Technical and Industrial Development.


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