

ArcelorMittal at CWIEME 2015: responding to market trends in energy efficiency

Berlin, 23 April 2015 – ArcelorMittal will participate in CWIEME 2015, the world's leading exhibition for coil winding, insulation and electrical manufacturing held from 5 to 7 May in Berlin, to present its broad range of electrical steels and R&D capabilities in developing the electrical steels of the future.

New European energy efficiency targets coming into force in 2015 are pushing towards greater efficiency in electrical machines and transformers. In response to this evolution, ArcelorMittal provides the best low-loss^[1] non-oriented^[2] electrical steels on the market, a range of innovative electrical steels for the automotive market, and specific grades of grain-oriented^[3] electrical steels for transformer manufacturers.

At CWIEME 2015, ArcelorMittal will present its broad range of steel grades with specific magnetic properties, used in domestic appliances, building industry, mechanical engineering, electrical equipment, motors and generators, as well as the automotive industry. These include:

- Fully processed and semi-processed non-oriented (NO) electrical steels
- iCARE®, a range of innovative electrical steels for the automotive market, designed to help automakers create environmentally friendly mobility solutions
- Grain-oriented (GO) electrical steels
- Cores of magnetic circuits

Developing the electrical steels of the future

ArcelorMittal's research and development teams have been applying their expertise in high performance electrical steels for the last 30 years to better anticipate market needs, with specialists dedicated to the different aspects of electrical steel such as texture, structure, coatings, magnetism, mechanical behaviour including fatigue, punching and machine assembly techniques.

As a result of these R&D initiatives, ArcelorMittal is perfectly positioned to develop the next generation of low loss, high permeability electrical steels and optimize the performance of its production lines, such as its new annealing line at Saint-Chély in France, inaugurated in September 2013.

Our advanced technical support using specific software and in-house testing tools allows ArcelorMittal to help its customers to optimize the design and manufacture of their machines.

Today, ArcelorMittal is running 10 major co-engineering and co-design programmes with major producers of high efficiency electrical machines.

ArcelorMittal will be present at stand 41A11 in hall 4.1.

^[1]Low level of energy dissipation

^[2] Electrical steel made with a special processing to make the steel as isotropic as possible, meaning when the steel is used in motors, these will have a smooth torque. Used for motors and generators (rotating machines)

^[3] Electrical steel processed in such a way that its properties and crystal orientation are developed in the rolling direction. Used in power and distribution transformers.

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About ArcelorMittal

Europe
ArcelorMittal employs more than 100,000 people and produces approximately half of its total steel volume in Europe. With a presence in 17 European countries and around 400 different sites, ArcelorMittal Europe had revenues of €35 billion and a crude steel production of 43 million tonnes in 2014. We supply flat and long steel products for all major steel markets, including the automotive, construction, packaging and household appliances industry – supported by a leading R&D and distribution network with 9 laboratories and 1,000 full-time researchers in Europe.

Worldwide
ArcelorMittal is the world's leading steel and mining company, with a presence in 60 countries and an industrial footprint in 19 countries. Guided by a philosophy to produce safe, sustainable steel, we are the leading supplier of quality steel in the major global steel markets including automotive, construction, household appliances and packaging, with world-class research and development and outstanding distribution networks.

Through our core values of sustainability, quality and leadership, we operate responsibly with respect to the health, safety and wellbeing of our employees, contractors and the communities in which we operate.

For us, steel is the fabric of life, as it is at the heart of the modern world from railways to cars and washing machines. We are actively researching and producing steel-based technologies and solutions that make many of the products and components people use in their everyday lives more energy efficient.

We are one of the world's five largest producers of iron ore and metallurgical coal and our mining business is an essential part of our growth strategy. With a geographically diversified portfolio of iron ore and coal assets, we are strategically positioned to serve our network of steel plants and the external global market. While our steel operations are important customers, our supply to the external market is increasing as we grow.

In 2014, ArcelorMittal had revenues of US\$79.3 billion and crude steel production of 93.1 million tonnes, while own iron ore production reached 63.9 million tonnes.

ArcelorMittal is listed on the stock exchanges of New York (MT), Amsterdam (MT), Paris (MT), Luxembourg (MT) and on the Spanish stock exchanges of Barcelona, Bilbao, Madrid and Valencia (MTS).

For more information about ArcelorMittal please visit: <http://corporate.arcelormittal.com/>