

press release

ArcelorMittal introduces latest developments at Wire and Tube fair

- **ArcelorMittal Europe increases range of XCarb® recycled and renewably produced steel, made with a high percentage of steel scrap and 100% renewable electricity.**
- **New generation of Free Cutting Steel boasts equivalent mechanical properties to the standard leaded grade and offers significant CO₂ emissions benefits, requiring less energy for machining**
- **Investment at ArcelorMittal Dortmund in a new ultrasound control line revolutionizes ability to provide defect-free products tailored to customer needs**

Düsseldorf, 6 March 2024 – Low carbon-emissions steel on the way: XCarb® recycled and renewably produced steel, made with a high percentage of steel scrap and 100 % renewable electricity, is already today available for a wide range of steel products. At the Wire and Tube trade fair from 15-19 April 2024 in Düsseldorf, ArcelorMittal showcases its latest innovations for bars, rods and wire solutions (hall 12, booth D32) as well as tubular products (hall 3, booth B58).

Tapas Rajderkar, Chief Marketing Officer at ArcelorMittal Europe – Long Products, comments: “Low carbon-emissions steel is here today, whether it be steel products for the energy transition, the construction industry or the automotive sector: Our CO₂ reduced products are available in the market and we see continually increasing interest on the customer side.”

This development fits in well with the Group's target to become carbon neutral by 2050 worldwide and -35 % by 2030 in Europe.

ArcelorMittal offers already today XCarb® recycled and renewably produced solutions for parts requiring SBQ components, contributing to the decarbonisation effort in the **automotive industry**.

Also, the XCarb® family is growing and XCarb® recycled and renewably produced tyre cord will be available from ArcelorMittal within short from our mill in Gijon based on an EAF production route. The pre-homologation process is already starting this year.

The demand for XCarb® recycled and renewably produced steel is also increasing in the **construction industry and energy sector**: More than 80 % of the components in a wind turbine and its related infrastructure are made with steel. ArcelorMittal's steels have been successfully used in the manufacture of more than 10,000 onshore and offshore wind turbine towers since 2005. ArcelorMittal produces an extensive portfolio of steels which are used in

the major components of a wind farm: foundations, tower, nacelle, generator, gearbox, yaw, pitch, mooring ropes, and power cables.

Bars and rods also play a major role there. Rebars (concrete reinforcement bar) are used for onshore and concrete offshore foundations. The business division WireSolutions produces several solutions for the wind industry, such as mooring ropes: sheathed spiral strand wire, sockets and offshore transportation reels. Also high performance hoisting ropes for the most demanding environment and XCarb® recycled and renewably produced galvanised low carbon steel wire for cable armouring.

Steel is used as a reinforcement element in concrete or cables for the **construction industry**. These product families are mainly wire rod mesh, rebars in bars or rebars in coils and high Carbon Prestressed Steels (PSC). Regulations are more demanding in the Nordics, but all countries follow the same trends. The more demanding customers are governmental ones. At the time of enquiry for new buildings and infrastructures, the requirements are now including thresholds regarding carbon footprint. New projects are approved when the CO₂ footprint meets the requirements.

Moreover, WireSolutions, the drawing wire division of ArcelorMittal, presents an extensive lineup of products featuring low carbon emissions steel, catering to various needs including windows fasteners, wire ropes, wiper arms, cable armouring wire, cold heading quality materials, steel fibres, bright bars, fencing and nails.

One of the most recent notable innovations is the introduction of **a new generation of Free Cutting Steel**, named 3eCut®, which boasts equivalent mechanical properties to the standard leaded grade 11SMnPb30. This advancement offers significant CO₂ emissions benefits, requiring less energy for machining. Moreover, it brings about economic advantages by extending the lifespan of cutting tools, resulting in substantial cost savings, and reducing the lifespan energy consumption by 30%. Enhanced machinability leads to improved productivity, as it allows for higher cutting speeds and controlled chip formation, resulting in smaller chips.

Investment at ArcelorMittal Dortmund

Beyond these developments, the ArcelorMittal commitment to quality control is exemplified by the recent investment at ArcelorMittal Dortmund with a new ultrasound control line, specifically aimed at enhancing control capabilities for bright bars. This strategic move is poised to revolutionise the group's ability to provide defect-free products tailored precisely to meet the demanding requirements of the automotive industry.

Furthermore, the industrial wire division continues to advance, developing new corrosion-resistant solutions under the brand name Crapal® for various applications, in a range that can be supplied in ArcelorMittal's low carbon emission steel, XCarb® recycled and renewably produced.

Tubular products

As pioneers of sustainability, ArcelorMittal presents for the first time low carbon-emissions steel tubes at the fair. This new solution, made of XCarb® recycled and renewably produced steel, has up to 75% less CO₂ emissions - one of the highest CO₂ reductions in the steel tube industry.

For all automotive tube applications, ArcelorMittal offers co-development with customers in the design process. The plants offer cold-finished and cold-drawn precision welded tubes and customised finished components, the tubes are available in a variety of profiles with many finishing options, including cut-to-length and heat treatment.

From seamless pipes to precision steel tubes, the diverse range caters to various industries such as: Oil & Gas, Power Generation, Solar, Viticulture, Office furniture, Radiators, Shop fitting, Laser cutting.

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Notes for editors

You will find below examples of XCarb® recycled and renewably produced steel products which have been used by customers for various applications:

LISI AUTOMOTIVE, world market leader in the production of fastening components and assembly systems for the automotive industry, plans to work with ArcelorMittal to develop innovative components and assembly systems using recycled and renewably sourced XCarb® steel products that will significantly reduce CO₂ emissions in vehicle production. Already today, ArcelorMittal can produce wire rod at its plants in Hamburg and Warsaw with CO₂ emissions of less than 700 kg per tonne of steel, saving up to 70% of CO₂ emissions compared to conventional production methods based on the blast furnace route.

The co-operation between ArcelorMittal, Finkernagel and EJOT is a good example and a first for a co-operation between producer, processor and end product manufacturer to reduce environmental impact: ArcelorMittal Hamburg produces highly CO₂-reduced XCarb® steel from recycled and renewable material with a significantly lower CO₂ footprint than conventionally produced steel, which the Finkernagel wire mill further processes; EJOT, in turn, uses the drawn wire in cold forming to produce screws that end up being used for batteries in electric cars or for fastening solar modules. By using XCarb® - Recycled and Renewably Produced, the total CO₂ savings are 80 per cent compared to conventional steel, and the CO₂-reduced steel ultimately benefits the energy transition through its use in solar modules and e-cars.

The Van Leeuwen Pipe and Tube Group and ArcelorMittal Europe - Tubular Products offer low carbon steel tubes that enable companies in the construction and engineering industries to reduce the carbon footprint as part of their Scope 3 emissions embedded in the products they purchase. The recycled and sustainably manufactured XCarb® steel pipes, produced by ArcelorMittal and distributed by the Van Leeuwen Pipe and Tube Group, can help companies reduce CO₂ emissions by up to 75 per cent compared to conventionally manufactured steel pipes.

The pipes are made from recycled and sustainably produced XCarb® steel, which is manufactured in an electric arc furnace (EAF) using a high proportion of scrap and 100 per cent renewable electricity for the EAF. The electricity used comes from renewable sources such as wind and solar and is supplied via a recognised Guarantee of Origin scheme. These steel pipes are the first on the market to enable such a significant reduction in CO₂ emissions and have an Environmental Product Declaration (EPD) to provide customers with full data transparency.

About ArcelorMittal

Germany

With a production volume of around 8 million tonnes of crude steel, ArcelorMittal is one of the largest steel manufacturers in Germany. The automotive, construction and packaging industries are among its customers, as is the household goods sector. The company operates four large production sites in Germany. These include two integrated flat steel mills in Bremen and Eisenhüttenstadt and two long steel mills in Hamburg and Duisburg. In addition, the Group operates ArcelorMittal Construction in Sandersdorf/Brehna, a production site with sales for sandwich panels as well as profiling facilities for cassette, trapezoidal, support, design and corrugated profiles. In addition, the Group has a strong distribution network in Germany with four steel service centres and ten steel trading locations. ArcelorMittal operates a pipe mill in Altensteig. The group employs about 9,100 people in Germany.

Worldwide

ArcelorMittal is the world's leading steel and mining company with a presence in 60 countries and primary steelmaking facilities in 16 countries. In 2023, ArcelorMittal had revenues of \$68.3 billion and crude steel production of 58,1 million tonnes, while iron ore production reached 42 million tonnes. Our goal is to produce ever smarter steels that have positive benefits for people and planet. Steels that are produced with innovative processes that use less energy, emit significantly less carbon and reduce costs. Steels that are cleaner, stronger and reusable. Steels for electric vehicles and renewable energy infrastructure that will support society as it moves through the new century. With steel at our core, our inventive people and an entrepreneurial culture at our heart, we will help the world make this transformation. This is what it takes to be the steel company of the future. ArcelorMittal is listed on the New York (MT), Amsterdam (MT), Paris (MT), Luxembourg (MT) and Spanish stock exchanges of Barcelona, Bilbao, Madrid and Valencia (MTS).

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