



ArcelorMittal

# ArcelorMittal Europe Fact book 2023



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## The world's leading steel & mining company

ArcelorMittal is the world's leading steel and mining company, with **154,352** employees of **134** nationalities in more than **60** countries, and steelmaking operations in **16** countries.

ArcelorMittal is the leader in all major global steel markets including automotive, construction, household appliances, and packaging, with world-class research and development and outstanding distribution networks.

ArcelorMittal values geographical breadth, product diversity and raw-material security.

In 2022, approximately **34%** of ArcelorMittal's crude steel was produced in the Americas, approximately **54%** was produced in Europe, and approximately **12%** was produced in other countries such as Kazakhstan, South Africa, and Ukraine.

At ArcelorMittal, our goal is to help build a better world by developing smarter steels for people and planet. Since the company was founded, we have aimed to align all of our activity against four values: safety, sustainability, quality, and leadership.

Each of these values stands on a foundation of health & safety.

Smarter steels  
for people  
and planet



## Climate action

Our journey towards becoming carbon neutral by 2050 is well underway. In line with the Paris Climate Goals and the European Green Deal, ArcelorMittal has also committed to reduce CO<sub>2</sub> emissions in our European operations by 35% by 2030.

As Europe's largest steelmaker, ArcelorMittal has a significant role to play in enhancing the sustainability of our industry. Our decarbonisation strategy has three main levers: Circular steel, Innovative Direct Reduced Iron (DRI), and Smart Carbon steelmaking. There are projects underway for all three of these levers to ensure we achieve our goals on schedule.

In 2021, we launched XCarb®. This initiative groups together all of ArcelorMittal's low-carbon steelmaking activities, projects and products. Our industry-first XCarb® green steel certificates allow customers to reduce their Scope 3 emissions, and are the result of decarbonisation efforts in our blast furnace operations. XCarb® recycled and renewably produced is applied to steels produced in ArcelorMittal's electric arc furnaces (EAFs) with 100% renewable electricity and up to 100% scrap content.

In 2022, we continued to work on our Innovative DRI projects. Significant progress was made despite some delays with funding. A key success during the year involved identifying a way to meet the energy needs of our DRIs and EAFs while minimising their CO<sub>2</sub> footprint.

**XCarb®**  
Towards carbon neutral steel



## Research & development

Operating globally for all customers and business units, ArcelorMittal Global R&D is a cornerstone of sustainable development and ensures a constantly evolving and expanding portfolio of ArcelorMittal products.



**1,600**  
full-time researchers



**14**  
research and development  
sites in nine countries around  
the world



**US\$286**  
million spending in 2022,  
of which around 83% was  
spent in Europe

## Who we are



**61,305**  
employees\*



**74**  
nationalities



**400**  
locations\*



**US\$47,263**  
million sales\*



**30.2 million tonnes**  
steel shipments\*

\* in 2022

## Markets we serve



For more info, visit  
[europe.arcelormittal.com/fabricoflifecity](https://europe.arcelormittal.com/fabricoflifecity)



## What we do

**ArcelorMittal Europe – Flat Products** is the largest producer of flat steel in Europe. The business produces hot and cold rolled coils, coated products, tinplate, plate, hot-dip galvanised products, and enamelled and electrical steels.

Flat Products has 11 integrated and mini-mill sites, and primary facilities in five countries. It sells to a wide range of industries including packaging, general industry (civil engineering, construction, domestic appliances, oil & gas, renewable energies, yellow & green goods), and automotive. ArcelorMittal's advanced high strength steel (AHSS) and electrical steel solutions are helping car manufacturers on the road to e-mobility.

**ArcelorMittal Europe – Long Products** operates 27 production sites in ten countries and is a leader in the manufacture of sections, sheet piles, rails, quality wire rod, rebars, and bars.

**Sections and Merchant bars** offers the widest selection of sections – from small to jumbo.

**Rails & Special Sections** as a leading rail producer, offers a wide portfolio of solutions for railways, subways, tramways, light-rail tracks, crossings, crane rails and rail components. We are also able to provide other special products such as cathode bars, track shoes and mining sections.

**Sheet Piling** is the world leader in sheet piling technology, offering a complete foundation solution from the concept stage to project execution. Our offer includes accessories, engineering and design support, special fabrication and finishing, and just-in-time logistics support.

**Bars and rods** offers a wide selection of wire rod as well as special bar quality (SBQ), and forging billet. These products are used in a range of final applications.

**WireSolutions** offers a diverse portfolio of low and high carbon wire products, including industrial wires, flat and shaped wires, cold heading quality wires, cold rolled wires, wire ropes, wire fencing, nails, and steel fibres for concrete reinforcement. Corrosion resistant product solutions are WireSolutions' particular expertise.

**Steligen®** is ArcelorMittal's unique, holistic, and commercial approach to the construction market. Steligen® offers customers a complete set of construction-related products, services, and solutions.

**ArcelorMittal Downstream Solutions** offers processing and distribution solutions for ArcelorMittal's automotive and industrial customers in Europe. As well as distributing flat and long products, ArcelorMittal Downstream Solutions offers value-added and customised steel solutions through **Steel Service Centres Europe**. Specific solutions are dispatched through other ArcelorMittal Downstream Solutions business lines. These include:

**ArcelorMittal International:** sells a full range of products via a network of offices located across the world.

**ArcelorMittal Projects:** provides complete, customised, and sustainable steel solutions and services via three specialised, project-related business lines: Foundation Solutions, Energy Projects, and Solar Projects.

**Construction:** transforms coils into finished products such as profiles, panels, and facade sidings for any kind of building.

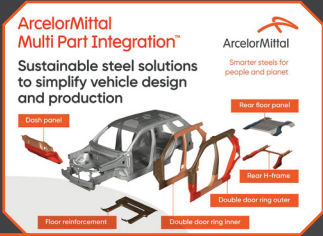
**Distribution Europe:** provides a wide range of steel, stainless steel, aluminium, and building products to small local businesses, major industrial companies, and multinationals.

**Industeel:** with facilities in Belgium and France, produces special steel plates and forged blocks from carbon, low-alloy, and stainless steels in thicknesses ranging from 4 to 1,200 mm.

**Tubular Products:** one of the most diverse producers of pipes and tubes, servicing a range of markets including energy, construction, engineering, and automotive.

# Latest innovations

Our research teams make R&D the main driver of growth and a leading force for innovation within the ArcelorMittal group. Our latest innovations include:



In 2022, ArcelorMittal Tailored Blanks and Global R&D introduced **ArcelorMittal Multi Part Integration™ (MPI)** to the market.



With its high mechanical properties, the **TitanThermic™** hollow section is the ideal solution to realise bold designs.



**SmartSheetPile** is the next generation sheet piling solution, enabling preventive maintenance and extending project lifetime.



**R340** is a top wear-performance crane-rail grade for heavy loads and allows customers to optimise the life cycle cost of their products.



Our **Armstrong®** and **Armstrong® Ultra** families of AHSS have been extended, allowing customers to lightweight their equipment, increase payload, and reduce fuel consumption and emissions.



# Where we are

Sales

Steelmaking operations

R&D



# Sustainability investments highlights

New, ongoing, & recently completed investments in Europe:

Legend:

- Smart carbon steelmaking
- Innovative DRI
- Other sustainability related investments

Belgium

- ArcelorMittal invested in coke oven gas injection in Blast Furnace B at Ghent to reduce CO<sub>2</sub> emissions.
- Officially inaugurated in December 2022, the €200 million 'Steelanol' project utilises cutting-edge carbon recycling technology developed by our project partner LanzaTech. The system transforms carbon-rich waste gas from the steelmaking process and waste biomass into ethanol.



France

- New electrical steel capacity announced at our Mardyck site to reinforce ArcelorMittal's leadership in automotive and accompany our customers in the fast development of e-mobility solutions.
- The 3D Project (DMX™ Demonstration) is a pilot carbon-capture project. It began capturing 0.5 tonnes of CO<sub>2</sub> each hour in 2022. The pilot will continue to test and develop the technology so it can be used on industrial-scale in the future.
- ArcelorMittal Saint-Chély d'Apcher is in a circular economy dynamic: the heat generated during steel production is injected into the city's heating network and covers the energy needs of around 1,150 homes. An electrolyser project developed by GENVIA is being implemented to produce carbon-free hydrogen.





## Germany

- The German government has committed to supply €55 million to help fund ArcelorMittal's Hydrogen DRI plant in Hamburg. The demonstrator plant will lay the foundation for a new steelmaking process which allows steel to be produced with zero carbon emissions<sup>[1]</sup>.

The process uses EAF technology fed with hydrogen-reduced DRI and scrap metal, and powered by renewable electricity.

- ArcelorMittal Duisburg is being fitted with a second ladle furnace. It will supplement the first ladle furnace which has been in use since 1991. The new furnace will reduce CO<sub>2</sub> emissions and provide a more flexible and stable production route.



## Luxembourg

- The Luxembourg Ministry of Economy has signed a memorandum of understanding with ArcelorMittal to support our decarbonisation investments. The first package of projects, with an estimated value of €100 million, will include the installation of a new EAF at the Belval steel plant.



## Poland

- ArcelorMittal Poland is investing €130 million in a major modernisation of its blast furnace. The investment includes a closed-circuit cooling system, a modern gas cleaning plant, a dedusting system, and new tuyere sets that will be able to consume captured coke-oven gas. The investment will significantly reduce CO<sub>2</sub> emissions at the mill.



## Spain

- ArcelorMittal Sestao delivered its first XCarb® recycled and renewably produced flat steel in 2022. The coils were manufactured using a high proportion of recycled scrap steel and 100% renewable electricity in an electric arc furnace (EAF). The manufacturing process results in 532 kilograms of CO<sub>2</sub> per tonne of hot rolled coil on a life cycle basis<sup>[2]</sup>. This is approximately 75% lower than conventional coils produced via the blast furnace route.



- ArcelorMittal Asturias completed a coke-oven injection project for Blast Furnace B at their Gijón plant and installed a second compressor. The project will reduce CO<sub>2</sub> emissions by 194,000 tonnes annually. Part of this investment includes the installation of a new dedusting system to reduce fugitive dust emissions at the cooler of Sinter Plant A.



[1] On a Scope 1 and 2 basis.

[2] Environmental Product Declaration (EPD) method as per ISO 14025 and EN 15804. Covers the 'cradle to gate' product life cycle stages including raw material supply, upstream transport, and steel manufacturing.

## Steel, the fabric of life

ArcelorMittal Europe's steel is used in a variety of end-market segments in Europe and beyond.



Our rails in India's first rapid rail system.



X Bake, a range of sustainable bakeware produced from steel sourced with ArcelorMittal's XCarb® green steel certificates.



Bette, a producer of high-quality bathroom products, buys our steel with XCarb® green steel certificates.



The curves of Europe's longest cycle bridge are made from XCarb® recycled and renewably produced steel (Luxembourg).



The world's largest floating offshore wind farm is built with our ropes (Norway).





BP2's integrated photovoltaic roof, manufactured solely using XCarb® recycled and renewably produced steel.



Ultragal® is used in several ŠKODA AUTO models.



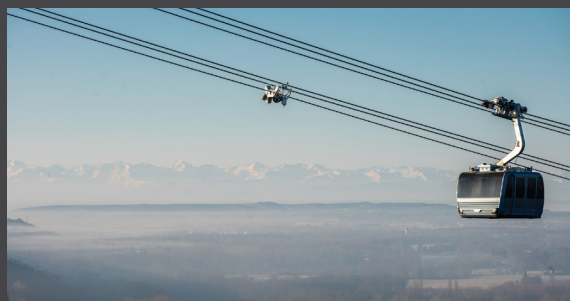
ArcelorMittal's UR347H prefabricated plates were used to build the tank of the South African Central Solar Plant (Redstone Project).



The Sadar Stadium was refurbished with our Ondatherm® and Trapeza® profiles (Spain).



Our tubes are part of the longest treetop path in the world (Switzerland).



Our steel ropes are used in France's longest urban cable car.





# Multimedia corner

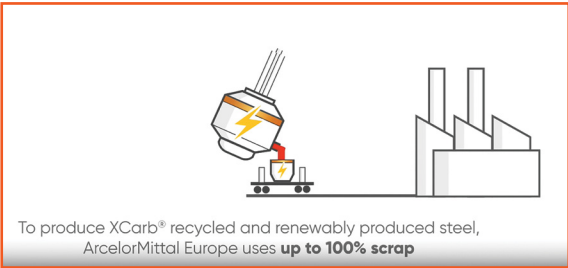
VELUX Group co-operates with ArcelorMittal on low carbon-emissions steel



Explore our Wind City



XCarb® recycled and renewably produced



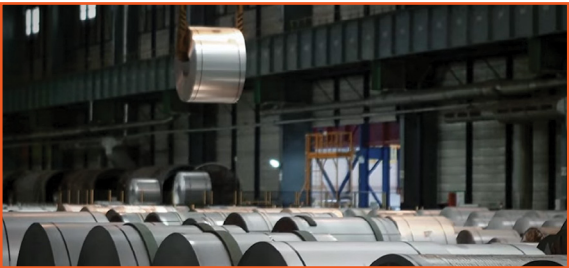
ArcelorMittal Energy Projects



Discover TitanThermic™



I am Steel



## What our customers say about us



“XCarb® gave us the edge. We could openly and reliably tell our customers that the steel was sustainably produced. Our calculations show that by using ArcelorMittal steel with XCarb® green steel certificates, we are reducing the CO<sub>2</sub> impact of our products. That's very significant and has attracted significant interest from our customers.”

**Marco Guardini, Managing Director of Guardini**

“Thanks to the cooperation between ArcelorMittal and DACHPOLL, we can assure customers that they can profile strips correctly for roofing and cladding applications.”

**Michał Brewka, DACHPOLL's Commercial Director**

“ArcelorMittal is a reference steel supplier for Arania. Their XCarb® recycled and renewably produced offer is closely aligned with our own decarbonisation strategy. Ultimately decarbonisation will be a long journey, but one that is for the good of humanity. We are happy to start that journey in the hands of one of the world's leading steel producers.”

**Carmelo Bilbao, Vice President of Grupo Arania**

“ArcelorMittal has been a valued partner for the supply and continuous joint development of materials for many years.”

**Dr. Matthias Gierse, Managing Director Sales and Purchasing at C.D. Wälzholz GmbH & Co. KG.**

“ŠKODA first achieved success with Ultragal® on the fender of our Octavia model and went into serial production in 2009. Following this initial positive experience, ŠKODA AUTO decided to utilise Ultragal® on outer hood panels – a highly demanding application. The aesthetics and excellent mirror finish of Ultragal® have now been applied to our Superb, Octavia, and Kodiaq models. The use of Ultragal® has real benefits when it comes to the final painted appearance of these parts.”

**Lubomír Roleček, Manager of Skoda's Technical Service Press Shop and Body Shop**

“As a manufacturer of cold drawn tubes, we feel comfortable sharing our concerns about the decarbonisation of the automotive sector with ArcelorMittal SSC Europe. They are a key partner for the development of new mobility solutions and a group of professionals. We're already in the race for fossil-free steel, the future looks bright to us with XCarb®.”

**Hijos de Juan de Garay S.A. (Garay)**

“Steel offers great architectural freedom with several advantages including mechanical performance, recyclability, and a wide range of shapes and colours. It is a very inspiring material, with almost infinite possibilities.”

**Philippe Bonon, A+Architecture**



“The power of peer-to-peer experience sharing was harnessed in separate sessions during the Zero Carbon Project meeting. The participating companies, who are leading the decarbonisation journey, shared their experiences and the lessons learnt with other suppliers. We are grateful to the team from ArcelorMittal Steel Service Centres Europe who shared the actions and processes they have implemented in their company. They also provided practical suggestions which will help us enhance our decarbonisation efforts.”

**Kanishk Negi, Sustainable Procurement Director  
Schneider Electric**

“We discovered XCarb® recycled and renewably produced, ArcelorMittal's low-carbon emissions offer, a little over a year ago. Offering it to our customers was an obvious choice and is part of our environmental and sustainable development policy.”

**Jean-François Suchet, Managing Director of  
Morand Constructions Métalliques**

“Thanks to our cooperation with ArcelorMittal Staalhandel, we can now offer our clients a sustainable alternative to the usual steel beams. We hope that many more projects with XCarb® will follow [such as the SC Cambuur stadium], so that together with our partners we can contribute to a cleaner construction chain.”

**Michel Kolk, sales director of Voortman  
Steel Construction**



ArcelorMittal Europe's most recent facts  
and figures can be found here:  
[europe.arcelormittal.com](http://europe.arcelormittal.com)



ArcelorMittal

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