



XCarbTM

Green steel certificates

Towards
carbon neutral steel

What is XCarb™ ?

XCarb™ is the new brand name for ArcelorMittal's ongoing global programme of  making innovation targeted at carbon neutral steel by 2050. The initiatives  that are a part of XCarb™ aim to reduce ArcelorMittal's carbon footprint.

One  of the first initiatives is XCarb™ Green steel certificates from ArcelorMittal Europe – Flat Products. The certificates are issued by ArcelorMittal Europe – Flat Products and based on CO₂ savings which have been audited by DNV GL, an independent body. The savings are aligned with the appropriate greenhouse gas (GHG) accounting standard.



What are XCarb™ Green steel certificates?

ArcelorMittal Europe – Flat Products has invested in specific CO₂ abatement projects which are decarbonising the primary steel production process. These ongoing investments are resulting in tangible CO₂ savings.

The CO₂ savings are aggregated and converted into an equivalent volume of green steel. This volume can be passed to ArcelorMittal's customers in the form of a Green steel certificate. The Certificate allows customers to report an equivalent reduction in their Scope 3 emissions.

While this approach is new to the steel industry, it is already common in other sectors. For example, power companies offer Renewable Energy certificates to customers based on the amount of clean energy being fed into the power grid.

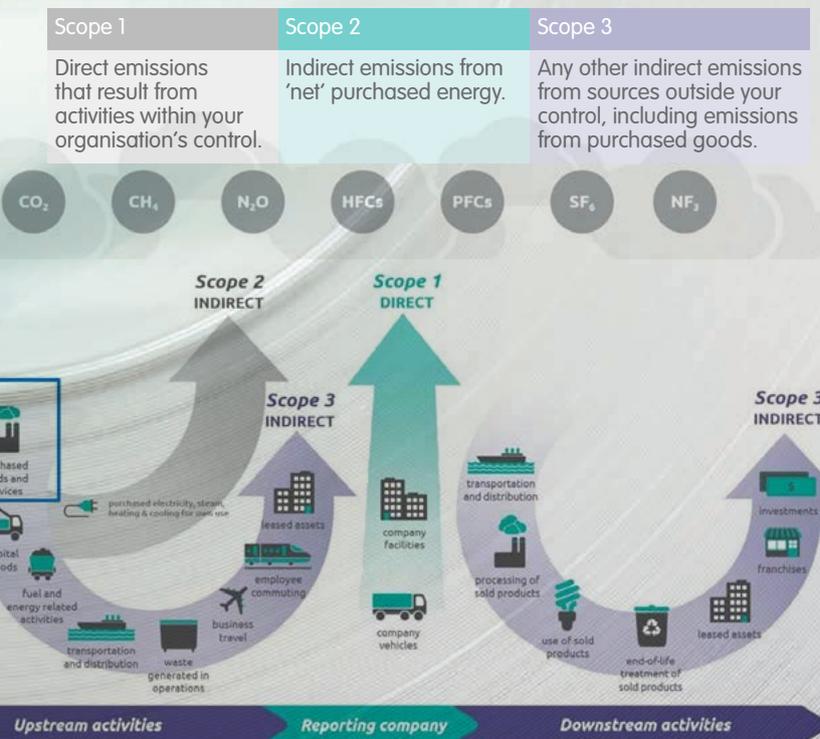
How can I get an XCarb™ Green steel certificate?

XCarb™ Green steel certificates cannot be traded or sold on the open market. They can only be purchased alongside a corresponding order for steel from ArcelorMittal Europe – Flat Products. The certificates are retired by the end customer in the value chain and contribute to reducing their Scope 3 emissions.

What are the advantages for ArcelorMittal's customers?

Purchasing an XCarb™ Green steel certificate officially passes the CO₂ savings achieved by ArcelorMittal Europe – Flat Products to our customer. That enables the customer to report a corresponding reduction in their Scope 3 CO₂ emissions (Category 1: Purchased Goods & Services) in accordance with the Greenhouse Gas Protocol Corporate Accounting & Reporting Standard.

The certificate can be passed down the steel value chain. For example, when ArcelorMittal sells an XCarb™ Green steel certificate to a customer, that company can pass the Certificate to its end customer. The party that 'retires' the Certificate (that is, takes it out of circulation) can report the CO₂ benefit.



Contact your local
ArcelorMittal account
manager to discover more.

What it means for customers

"Ateliers 3S is proud to be the first customer to benefit from ArcelorMittal Europe – Flat Product's Green steel certificates. Design and innovation in building with steel have been the key pillars of the first decade of our business. Today, the environment and sustainable development are at the heart of Ateliers 3S' concerns. The Green steel certificate allows us to report a reduction in our CO₂ emissions, something that has never been seen before in our sector. They represent an important step forward on Ateliers 3S' road to carbon neutrality."



Hugo to provide the final
version of the certificate



Julien Faisandier, CEO of Ateliers 3S (left) and Jean
Christophe Vigouroux, owner of Ateliers 3S (right)

The first ArcelorMittal Europe – Flat Products
Green steel certificate was issued to Ateliers 3S

How is the XCarb™ Green steel certificate volume calculated?

CO₂ savings from different projects are expressed in absolute terms (tonnes of CO₂ saved). The subsequent conversion is done using a Scope 1+2+3 CO₂ emissions factor representing the average of primary steelmaking (blast furnace/basic oxygen furnace route) in Europe. An example of the calculation is provided below.

$$\text{Green steel volume} = \frac{\text{Project based CO}_2 \text{ savings (tonnes of CO}_2\text{)}}{\text{Scope 1+2+3 CO}_2 \text{ emissions factor (tonnes of CO}_2 \text{ per tonne steel)}}$$

Who verifies the CO₂ savings and certificates?

ArcelorMittal's project-based CO₂ savings and XCarb™ Green steel certificates are verified by DNV GL, an accredited registrar and certification body. Among its other activities, DNV GL delivers testing, certification, and technical advice to the world's energy value chain. Working with a respected and credible global certification body such as DNV GL is vital to ensure support for ArcelorMittal's Green steel certificate initiative.



How can I find out more about XCarb™ and Green steel certificates?

ArcelorMittal customers can contact their local support team for more information about XCarb™ and Green steel certificates. You can also visit:

flateurope.arcelormittal.com/greensteelcertificates

At ArcelorMittal, sustainability is about more than carbon reduction...



In 2020, ArcelorMittal was recognised by CDP for our strong performance on **corporate transparency and action on climate change**. Once again, we maintained our A-score in the CDP's Climate Change assessment. This puts ArcelorMittal in the top 10 percent of the steel industry and within the top quartile of all metal smelting, refining, and forming companies.

More info: <https://www.cdp.net/en/companies/companies-scores>



The Initiative for Responsible Mining Assurance (IRMA) is the answer to a global demand for more **socially and environmentally responsible mining**.

IRMA offers independent third-party verification and certification against a comprehensive sustainability standard for mined materials. ArcelorMittal has served on the IRMA steering committee since 2016 and in this role we provide unique insights as a mining and steel production company.

More info: <https://responsiblemining.net/>



Steel has been recognised by the European Union as a **permanent material**. This designation recognises that steel can be infinitely recycled without loss of quality, no matter how many times it is recycled.



ArcelorMittal is a founding member of ResponsibleSteel™ – the steel industry's first global multi-stakeholder standard and certification initiative. The initiative includes members from every stage of the steel supply chain. ResponsibleSteel™ has developed an **independent certification standard and programme** via a process that aims to align with the ISEAL Codes of Good Practice.

More info: www.responsiblesteel.org

Credits

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