

ABB is partnering with ArcelorMittal to introduce XCarb® steel made with high levels of recycled steel and 100% renewable energy for its trusted Kabeldon power distribution system. The sustainable sourcing agreement helps reduce the carbon footprint of key electrification equipment by 29%.

- ABB uses ArcelorMittal's XCarb® to reduce carbon footprint of products and contribute to its sustainability commitments
- XCarb® recycled and renewably produced steel is made with 100% renewable energy and uses a minimum of 75% recycled steel
- Teams have achieved a 29% reduction in Kabeldon cabinets' manufacturing carbon footprint with XCarb®

ABB Smart Power President Massimiliano Cifalitti said: "ABB people are passionate about introducing circular business models that increase the lifetime of materials and products – and collaborating with supply partners to introduce more sustainable alternatives. Customers have long counted on Kabeldon power distribution systems to provide decades of reliable and safe electricity. Now available with XCarb® steel, Kabeldon will also help them reduce their power infrastructure's environmental footprint."

With the use of XCarb® steel, the team behind Kabeldon has lowered the manufacturing carbon footprint by 60kg CO₂e, a 29% reduction. Low carbon-emissions steel is an important element in ABB's sustainable sourcing strategy and a focus for the ABB Smart Power division's portfolio in the next two years. Overall, ABB has committed to covering 80% of ABB products and solutions with ABB's Circularity Approach by 2030.

"We share ABB's passion for innovation that drives reductions in CO₂e emissions across the complete life cycle of products. Our mills and technical teams worked closely with ABB experts throughout to prove that solutions made with our low carbon emissions materials deliver ABB's trademark of reliability and performance. We are excited to see industry leaders accelerating the introduction of steel with a significantly reduced CO₂e footprint," said Laurent Plasman, CMO Industry, ArcelorMittal Europe – Flat Products.



Designed for outdoor environments, Kabeldon provides safe, reliable and weather-resistant power distribution. Long popular with the utilities industry, the system is now also widely used for electric vehicle charging infrastructure and renewable energy applications. The Kabeldon cabinet already has a Type III Environmental Product Declaration (EPD) verified by a third-party. The cabinet featuring XCarb® will receive its own EPD in the coming months. EPDs provide transparency on the environmental impacts of a product across its full life cycle. ABB is going the extra mile to have its EPDs verified by an independent program operator.

ArcelorMittal's XCarb® recycled and renewably produced steel is made using a minimum of 75% recycled steel in an electric arc furnace, powered by 100% renewable electricity. The resulting material has CO₂e emissions up to 70% lower than conventionally produced steel. The steel supplied to ABB, which includes steel coated with Magnelis® for corrosion resistance as well as cold-rolled steel, is manufactured and distributed in Europe.

Low carbon-emissions steel which has a lower environmental impact than conventional steel, is an important raw material for the transition to more sustainable material sourcing, a KPI in [ABB's Circularity Approach](#). The successful embedding of XCarb® contributes directly to ABB's commitment to have 80% of its products and systems meet the company's circularity requirements by 2030.

ABB Electrification will premiere its Kabeldon cabinet featuring XCarb® recycled and renewably produced steel and coating at Enlit 2024 in Milan, Italy.

Contact Us

Contact information ArcelorMittal corporate communications

- Email press@arcelormittal.com
- Paul Weigh [+44 203 214 2419](tel:+442032142419)

Subscribe to our email alerts