

Prysmian and Rio Tinto Announce First Electrical Cables Made with ELYSIS® Technology Aluminum Contracted for Installation at Amazon Data Center

Highland Heights, Ky., Sept. 18, 2026 – [Prysmian](#), the leading provider of solutions for energy and digital connections based in the Cincinnati, Ohio, metropolitan area, in partnership with Rio Tinto, is pleased to announce a collaboration with Amazon in which electrical cables produced with ELYSIS® aluminum have been contracted for installation in an Amazon data center near Columbus, Ohio. This represents the first known use of inert-anode-smelted, low-carbon aluminum in a data center.

ELYSIS® is used to produce aluminum with no direct greenhouse gas emissions from the aluminum smelting process, instead producing oxygen. This represents a major breakthrough in the decarbonization of aluminum production.

As part of their ongoing ambition to accelerate sustainability across their global footprint, [Prysmian and Rio Tinto announced the introduction of aluminum produced with the ELYSIS® technology in building wire](#) in March 2026.

"We aim to reach net-zero emissions across our operations by 2040 through decarbonizing our operations and supply chain, down to the raw materials. Traditionally, making aluminum is carbon-intensive, but this wire was made with technology that emits oxygen instead of carbon dioxide and perfluorocarbons," said **Joern Tinnemeyer, VP of Data Center Engineering at Amazon Web Services (AWS)**. "Prysmian, Rio Tinto, and Wesco are showing that lower-carbon materials aren't a future concept – they're here and going into Amazon data centers today."

"The data center industry needs advanced technologies like this: cables that can effectively carry power, meet high-quality standards, and make a positive impact to the sustainability of the entire value chain," said **Srinivas Siripurapu, Chief Sustainability, R&D, and Innovation Officer for Prysmian**. "We have partnered with organizations that share our mission for sustainability-driven innovation, from Rio Tinto's supply of low-carbon aluminum to the delivery of product through our partnership with Wesco, and ultimately Amazon's final product."

The ELYSIS® produced aluminum electrical cables are created and shipped directly out of Prysmian's [Sedalia, Missouri](#) factory – reaffirming the company's commitment to manufacturing innovative wire and cabling solutions right here in America and working with distribution partners to deliver to job sites around the region.

"Data center customers are increasingly looking for solutions that help them meet aggressive growth targets while advancing their sustainability objectives," said **David Speidelsbach, Vice President, Sales and Strategic Initiatives at Wesco**. "This project demonstrates what is possible when manufacturers, distributors and end users work together to accelerate innovation. Through sustainable supply chain solutions that help reduce material waste and support circularity, we're proud to collaborate with Prysmian and Amazon to help bring more sustainable infrastructure solutions to one of the world's fastest-growing industries."

Prysmian continues to seek ways to invest in sustainability-focused initiatives and create innovative solutions in partnership with its customers to become Net Zero by 2035, including a focus on further reducing the company's carbon footprint throughout the value chain.

As part of this journey, Prysmian has committed to creating innovative solutions in partnership with customers and suppliers across the value chain – including Amazon and Rio Tinto – with a target of 55% of revenues from sustainability-linked solutions by 2028.

"This collaboration with Prysmian and Amazon demonstrates how innovation across the value chain can help deliver practical, lower-carbon solutions for customers. All of the aluminum supplied by Rio

Tinto for these cables was produced in Quebec, Canada, using hydropower, including the aluminum made with ELYSIS® inert anode technology. By combining renewable power with a breakthrough smelting process that eliminates direct greenhouse gas emissions and produces oxygen as a by-product, we are helping create a new pathway to support the decarbonization of critical data center infrastructure,” said **Matt Schicke, Rio Tinto Aluminum Vice President, Sales and Marketing.**

To learn more about Prysmian's innovative and sustainable solutions, visit na.prysmian.com.

Prysmian North America

Based in Highland Heights, Ky., Prysmian North America is a benchmark player creating solutions for energy and digital connections, delivering major electrical transmission projects, modernizing power grids, and unlocking renewable energy, electrification, and digital connectivity worldwide. Prysmian's strategy is perfectly aligned with the main market drivers by developing resilient, high performing, sustainable, and innovative cable systems for the transmission, power grid, electricity, and digital solutions segments. Prysmian's North American operations include more than 50 locations and 9,000 associates with sales of \$9 billion. Additional information is available at na.prysmian.com.

Globally, Prysmian is enabled by its 34,000 employees, 109 production facilities and 30 R&D centers in over 50 countries. Prysmian is a public company, listed on the Italian stock exchange and recorded 2025 revenues of approximately €20 billion.

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