

Stäubli to Advance Mining Vehicle Electrification Standard at The Electric Mine 2023 Conference

Stäubli will present solutions for high-power connectors and charging to support an industry-wide Megawatt Charging System standard, and power the future of safe, automated connectors.



Windsor, California May 1, 2023 ([Issuewire.com](https://www.issuewire.com)) - Stäubli will present solutions for high-power connectors and charging to support an industry-wide Megawatt Charging System standard, and power the future of safe, automated connectors.

[Stäubli](https://www.staebli.com) is a global leader in electric and e-Mobility connector solutions, will address industry leaders with information critical to enabling the widespread electrification of the mining industry. This will take place at The Electric Mine 2023 conference held May 23 – May 25 in Tuscon, Ariz.

The presentation, “Durability Meets Power: High-Power Connector Solutions for Charging Electric Vehicles in Mining,” will be held on the conference’s Showcase Stage on May 24, 10:30-11:00. Delivered by Stäubli’s Thomas Charbonneau, Field Engineer - eMobility – it will address the industry’s demand for a Multi-Megawatt, high-power charging solution. It will include technologies for manual charging, battery swapping, and automated charging.

This need is closely aligned with a [Megawatt Charging System \(MCS\)](#) standard for a standard high-power charging connector and related charging system requirements for use in charging stations, vehicles produced by OEMs, communication, and related hardware. The industry effort is led by a [Mining Taskforce](#) under the auspices of [CharIN](#) in partnership with [ICMM](#), the International Council on Mining and Metals. Taskforce participants including ABB, BHP, GHD, aRio Tinto, and Shell will define and develop the standard to allow interoperable, ruggedized charging of all mining vehicles.

“As the mining industry lays the groundwork for a more sustainable future, we are happy to see global leaders collaborating to support the solutions and standards that will enable widespread vehicle electrification,” said Winnijar Kauz, Stäubli Electrical Connectors’ Global Head of E-Mobility in advance of the conference.

Industries Move to Adopt Automated Charging

Charbonneau will discuss both standards and solutions in his presentation. Topics will include contact, connector, and charging technologies; standards and interoperability issues; and the automated future of high power charging solutions.

Other industries that began electrifying before mining including shipping ports, whose harsh environmental challenges, on a par with mining, have shifted to automated connectors. At Megawatt-and-above power levels, removing human interaction from mating cycles provides superior safety to manual connectors.

In these and other industries, the benefits of automation extend beyond risk mitigation. Users of Stäubli’s high-power Quick Charging Connector (QCC) also report reduced maintenance cycles, reduced downtime, and prevention of conductive dust and debris.

Visit Stäubli’s connector solutions for e-Mobility for more information on high-power manual and automated options.

About Stäubli North America

Stäubli North America supports Electrical Connectors, Fluid Connectors, Robotics and Textile customers. The company’s North American main base is in Duncan, South Carolina. Stäubli provides customer support through its locations in Windsor, CA, Duncan, SC, Novi, MI, Cypress, CA, and Queretaro, Mexico. In addition to 24/7 customer support, each of these facilities offers training and has dedicated on-site technical experts who can be deployed whenever needed. Stäubli’s North American sales force is located strategically on the West and East coasts and also serves Canada and Puerto Rico. About Stäubli in North America (staubli.com)

Address

Stäubli Windsor

100 Market St

Windsor, CA 95492

United States

Media contact

Dave Rababy

Head of Sales, eMobility

Mobile: +1 707 838 0530

mailto: d.rababy@staubli.com

Media Contact

Stäubli Electrical Connectors

b.smith@staubli.com

7078380530

100 Windsor St

Source : Stäubli Electrical Connectors

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