

E-mobility: Avoiding grid expansion costs

INTILION storage integrated into new intelligent IT backend for electromobility

Paderborn, April 29, 2022. For its large-scale and commercial storage systems, storage expert INTILION has developed open interfaces that allow the systems to be connected to charging stations in a standardised manner. This year, Stromnetz Hamburg will be the first in the world to integrate INTILION's battery storage systems into its intelligent IT backend for electromobility, eRound.

With eRound, charge point operators (CPOs) can give their customers access to an international charging network thanks to multiple roaming platforms. Municipalities can use the modular system to electrify neighbourhoods and taxi fleets, while fleet managers and bus operators can control their depots. In addition, eRound detects free parking spaces for electric vehicles, visualizes charging processes and reports malfunctions.

Catching power peaks, avoiding overloads

"In combination with INTILION's scalable electricity storage systems, eRound reduces peak loads and avoids grid expansion. Intelligent load and charging management is essential – especially for critical infrastructures and at locations where many neighbouring charging points are connected to one grid connection point", Alexander Hilbring, electromobility innovation manager at Stromnetz Hamburg, is convinced. Stromnetz Hamburg has already set up an INTILION commercial storage system of the scalebloc type for load management at the company's own depot. The battery storage system will help to charge as many fleet and employee vehicles as possible while preventing the transformer from incurring an overload situation. Furthermore, other applications will be offered nationwide in the future.

Equipped for new business models

Thanks to the open interfaces, the INTILION platform can be very easily integrated into charging station management and adapted for new business models. "We place a lot of emphasis on maximum security and availability", explains Manuel Schmidt, business unit manager at INTILION GmbH. While the company's service contracts guarantee availability of up to 98 percent, INTILION protects its storage facilities from hacker attacks with secure communication links, industrial SIM cards, encrypted data streams and regular security checks.

Presentations at The smarter E Europe

At ees Europe, INTILION and Stromnetz Hamburg will visualize the concept at INTILION's booth in hall B2, booth number 340, with a wall box and a dashboard showing the charging processes.

INTILION will present the storage devices in various applications at the booths of WAGO GmbH & Co. KG (hall B5, booth number 310) and the Krannich Group (hall A4, booth number 380 and 390).

INTILION's Sales Manager Matthias Giller will give the presentation "PV and Battery Storage Enable Green Hydrogen" at the Green Hydrogen Forum in Hall B2, booth number 550 on May 11 from 1:20 - 1:30 pm.

At the Power2Drive forum in hall B6, booth number 350, Marco Pape, Sales Manager EPC & Distribution at INTILION, will present the lecture "Storage instead of grid expansion - energy storage as a central component for an independent and economical energy concept in electromobility" on May 13 from 2:50 to 3:10 pm.

Both trade fairs – Europe's largest energy storage trade fair ees Europe and the international trade fair for charging infrastructure and electric mobility Power2Drive – will take place as sub-fairs of Europe's largest platform for the energy industry The smarter E Europe from May 11 to 13 at the exhibition centre in Munich.

About INTILION GmbH

INTILION GmbH is a wholly owned subsidiary of Accumulatorenwerke HOPPECKE Carl Zoellner & Sohn GmbH. The company was founded in 2019 and has since focused on the development and production of high-quality, safe and reliable lithium-ion energy storage solutions. In addition to stationary systems for the intermediate storage of regenerative energies, INTILION offers drive energy storage systems for industrial trucks and high-voltage systems for trains and other heavy-duty applications.

INTILION is the market leader in critical, system-relevant infrastructures and convinces its customers in particular with its holistic approach, its high-quality products and its competent service.

About Stromnetz Hamburg GmbH

Stromnetz Hamburg is a wholly owned subsidiary of the Free and Hanseatic City of Hamburg. As a central player in the city's charging infrastructure master plan, Stromnetz Hamburg is responsible for setting up, operating and maintaining the e-charging stations in the city area.

eRound is Stromnetz Hamburg's IT backend for electromobility. With eRound, Stromnetz Hamburg enables intelligent, networked charging infrastructures – in Hamburg and many other locations in Germany and Europe.

A PDF of the press release and images can be found at the following link:

https://pressedownload.pr-krampitz.de/20220429_INTILION_EN.zip

Captions:

Figure 1: "Tower of Power": INTILION scalebloc storage tank at the depot of Stromnetz Hamburg.

Credit: Stromnetz Hamburg/Jakob Börner

Figure 2: eRound – the intelligent IT backend for electromobility: Stromnetz Hamburg will integrate the INTILION storage systems this year.

Credit: Stromnetz Hamburg/Sascha Elmers

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