



4-7 JUNE

BARCELONA 2023

**GLOBAL PUBLIC
TRANSPORT SUMMIT**

TOWARDS THE ELECTRIFICATION OF PUBLIC TRANSPORT FLEETS

INNOVATION GUIDED TOURS

Wednesday 7 June, 14:00 - 15:00

This tour will showcase the many technical developments that support the transition to zero-emission and push the performance boundaries of electric, road and waterborne vehicles. Battery packs, charging systems and vehicle and equipment innovations will be presented by technology providers sharing their knowledge about energy-efficient public transport.

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Stertil-Koni

Mobile column vehicle lift for electric buses

The energy transition of public transport is successfully continuing. Looking for ways to maintain, service and repair new energy buses? Stertil-Koni are here to help with the challenges and making workshops future-ready in the field of heavy duty bus lifting.

The benefits of Stertil-Koni heavy duty mobile column vehicle lifts are clear.

- Highest safety requirements
- Regenerative version available, the only in the industry
- Easy to reposition
- Wireless
- Maximum flexibility in the workshop
- Optimal connectivity, up to 32 columns in one configuration
- ebright touch screen control
- Lifting capacity ranging from 7,500 kg to 10,000 kg per column

Stertil-Koni has developed a new mobile column vehicle lift that is specifically designed for electric buses, allowing wheel free maintenance. This innovation will be shown to the global public transport industry for the first time at UITP 2023. WE CAN LIFT ANY BUS.



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Candela Technology AB

Improving public transportation systems through Smart Water Mobility

Waterborne transportation has long been an important mode of travel, but the environmental impact and cost of operating traditional ferries has limited its use in modern times. However, with Candela's cutting-edge technology, we can electrify waterways, and thereby improve public transportation and connect communities in an environmentally sustainable way. Using smaller vessels that fly over the water instead of through it, energy needs can be reduced by up to 95%, making waterborne transportation competitive again. We can furthermore help reduce congestion on roads by using the infrastructure water provides for free and at the same time provide a faster, more enjoyable way for people to travel. The focus on smaller boats also allows one to better match capacity to demand and operate in areas sensitive to wake erosion. This summer, Candela will launch the P-12 Shuttle, a 30-person ferry, and test it in Stockholm's public transportation system next year. Discussions are ongoing with numerous cities about how to better integrate waterborne transportation into their public transportation systems and perhaps even with one near you.

CANDELA

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Schunk Transit Systems GmbH

Schunk Smart Charging SLS 103 roof-mounted pantograph

The Schunk Smart Charging SLS 103 roof-mounted pantograph is a technological milestone that sets new standards: Charging of electric vehicles of various heights up to double-decker buses in seconds - with a single charging current collector and very high performance. The benefits of our SLS 103 pantographs have already proven themselves around the world. The compact pantographs are mounted on the roof of the e-bus or battery-powered industrial vehicle and function according to the bus-up principle: The vehicle stops under the charging station where the roof charging pantograph extends, connects to the charging station and charges the batteries. Charging can take place both in the depot and during operation at a charging station within the route network - without any delay to regular driving operations guaranteed by the extremely fast contacting and the very high current transmission. The multipole concept and contact sequence ensure safe charging. Precise compensation of parking deviations and kneeling effects is guaranteed during the loading process. Our patented contact systems can be adapted to a variety of vehicles and specific customer requirements.



Dennis Hofmann

Technical Sales Manager

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ABB E-mobility

HVC 360 charging solution

ABB E-mobility launches the new HVC360 power cabinet
ABB E-mobility's new HVC360 power cabinet puts power in the hands of those driving change to make a difference. Today. Offering a best-in-class power density with remarkable power for its footprint, the new HVC360 provides ultimate flexibility for any site layout or use case. Delivering up to 360 KW of power charging, it enables the connection of up to four charging stations with up to 100m of distance between the power cabinet and each charging station. Supporting all charging interfaces simultaneously from CCS to pantograph, the HVC360 allows charging providers to mix and match the perfect configuration for their user requirements. Its proven, compact design allows installation back-to-back, side-to-side, or along a wall. The HVC360 is fully compliant with international standards, has all required third party certifications and has been fully tested with a wide range of bus OEMs, making it the best charging solution for fleet depot needs.



Mathijs Vaessen

Global Product Manager

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Forsee Power

ZEN PLUS – 1 format, 5 configuration for 650V and 800V powertrains

ZEN PLUS is 5 new batteries from 74 kWh to 84 kWh. ZEN PLUS battery is not an ordinary battery, it's a modular battery pack designed to adapt to the variety of a 100%-battery heavy vehicles fleet for 650V and 800V powertrains. All in the same format!

The ZEN PLUS battery has a safe and robust design that complies with the ISO 26262 ASIL-C.

The 180 Wh/kg offered by NMC ultra-high energy density cells allow electric vehicles to run for a full day of autonomous operations with high performance, while optimizing available volumes.

With 5,000 cycles, our ZEN PLUS battery system, including high performance cells, offers excellent cycle life for demanding applications. Because we know that battery performance and life can be improved with quality thermal management, our mechanical and thermal engineers have designed an ultra-optimized cooling system to limit premature cell aging and provide the longest possible life for the complete ZEN PLUS system.

Our mission? Mitigate climate change with zero emission electromobility!

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Product strategy Director

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Bia's optimised electric bus charging platform

Bia is an innovative software company that specialises in comprehensive eBus charge management. Our hardware-agnostic platform delivers EV load management, critical systems integrations and real time optimisation to reduce energy costs while ensuring efficient operations. We help ebus operators better navigate costs and operational dependencies in the face of increasing electrification.

By using our software, operators can optimize their charging infrastructure and ensure that their EVs are charged efficiently, cost-effectively, and with minimal carbon footprint.

Our platform provides actionable insights and tools for efficient and cost-effective management of EV loads. Weebus operators better navigate costs and operational dependencies in the face of increasing electrification.

Our optimization platform helps reduce the costs of EV charging, provides critical systems integrations, and enhances operational efficiency to ensure that electric vehicles are charged and ready on time.

bia

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