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ABB to charge Scania electric buses in Östersund, Sweden

ABB will provide two fast-chargers for Scania electric buses in Östersund, Sweden. The chargers are based on OppCharge, an open interface for the automated charging of electric buses from any manufacturer, and use a pantograph on the infrastructure to connect the bus to the charging point.

With tests set to start in the final quarter of 2017, the two ABB HVC300P fast-chargers will charge six fully-electric Scania buses. The trials will be carried out in collaboration with public authorities, including the City of Östersund, the municipality of Krokomb, the Region Jämtland Härjedalen's Public Transport Authority, the publically owned energy supplier Jämtkraft and the Swedish Transport Administration.

The buses will be operated by Nettbuss, a subsidiary of the Norwegian State Railways, NSB, which is the second largest bus operator in the Nordic countries. The two charging stations will be built at both ends of the 14-kilometer major bus line, powering six buses. With 10-minute charging, the buses will run every 15 minutes, making 100 journeys each day. ABB's fast-chargers are connected to the cloud for remote diagnostics and management, and receive over-the-air software upgrades to ensure maximum availability.

Östersund Kommun issued separate tenders for the buses and their charging infrastructure. This was made possible by the OppCharge interface, which is compatible with a range of bus models, including electric hybrids. Östersund was presented with the European Mobility Week Award in 2015 in recognition of the council's work providing sustainable transport options in the city. This project with Scania and ABB will extend their work in sustainable transport.

"The introduction of battery electric buses here is really exciting," says Project Manager Anne Sörensson from the City of Östersund. "They will contribute to our aim of achieving fossil-free transport by 2030."

Frank Muehlon, Head of ABB's Global Business for Electric Vehicle Charging Infrastructure, said: "We are delighted to win this project in Östersund and to team up with the much respected bus manufacturer Scania. A key part of our strategy is supporting open industry interfaces like OppCharge so that ABB chargers can be used by all different bus manufacturers now and in the future ensuring true interoperability. We believe this is important for cities and operators interested in electrifying their bus fleet."

The cold climate of Östersund makes it the optimal testing ground for ABB's fast-chargers, which are designed to be reliable in extreme environments.

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Anna Carmo e Silva, Head of Scania Buses and Coaches, said: "Östersund, with its seasonal climate of cold winters and moderately warm summers, is the ideal location for testing performance in actual operations. The trials constitute the initial stage in the ongoing development of battery electric buses."

ABB provides charging solutions at the forefront of sustainable mobility and since 2010 has sold approximately 5,000 fast-chargers around the world for passenger cars. Over the past year, ABB has commissioned OppCharge opportunity chargers for hybrid and full electric buses in Bertrange (Luxembourg), Luxembourg City Center, Gothenborg (Sweden) and Namur (Belgium).

About OppCharge

More information on OppCharge via www.oppcharge.org

About ABB

ABB (ABBN: SIX Swiss Ex) is a pioneering technology leader in electrification products, robotics and motion, industrial automation and power grids, serving customers in utilities, industry and transport & infrastructure globally. Continuing more than a 125-year history of innovation, ABB today is writing the future of industrial digitalization and driving the Energy and Fourth Industrial Revolutions. ABB operates in more than 100 countries with about 135,000 employees. www.abb.com

About ABB bus chargers

- Easy to integrate into existing bus lines (inverted pantograph enables use of a low-cost and low weight interface on roof of the bus).
- Modular design offering charging power of 150 kW, 300 kW, 450 kW and 600kW.
- ABB's proven suite of connectivity features enables maximum availability, high uptime and fast service response.
- Based on OppCharge and IEC 61851-23, the international standard for fast-charging of electric vehicles ensuring the appropriate safety systems are in place, the electrical design is in accordance with regulations, and the systems architecture and working principle are supported by the wider automotive community in future.

About Scania

Scania is a world-leading provider of transport solutions. Together with our partners and customers we are driving the shift towards a sustainable transport system. In 2016, we delivered 73,100 trucks, 8,300 buses as well as 7,800 industrial and marine engines to our customers. Net sales totalled nearly SEK 104 billion, of which about 20 percent were services-related. Founded in 1891, Scania now operates in more than 100 countries and employs some 46,000 people. Research and development are concentrated in Sweden, with branches in Brazil and India. Production takes place in Europe, Latin America and Asia, with regional production centres in Africa, Asia and Eurasia. Scania is part of Volkswagen Truck & Bus GmbH. For more information visit www.scania.com.

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