

ABB to power more Volvo emission-free electric buses in Luxembourg

Zurich, Switzerland, June 8, 2016 – ABB fast chargers power Volvo electric hybrid buses within minutes at route end stations, as the City of Luxembourg increases its investment in sustainable mobility.

ABB has received an additional order for EV fast chargers for the City of Luxembourg for five new Volvo electric hybrid buses. A previous order with Volvo Buses was placed last year for the transit system. All stations and buses will be delivered later in 2016, with one of the EV chargers to be located at the city's central station.

“The decision to operate the first electric hybrid plug-in buses by the end of 2016 in the City of Luxembourg perfectly aligns with our continuous efforts to create a sustainable city. The society will immediately benefit from this project through a cleaner environment, reduced noise levels and increased comfort during bus journeys. This ambitious pioneering project represents the starting point in our endeavor to a zero emission urban bus system for the City of Luxembourg in the near future”, says Sam Tanson, First Deputy Mayor of the City of Luxembourg, in charge of Finance and Mobility.

Around 160,000 people commute to and from the City of Luxembourg each day. The government is making investments in sustainable mobility to reduce overall environmental impact and traffic volume. The City has a goal to cut overall carbon dioxide emissions by at least 20 percent by 2020.

This is ABB's second order with Volvo Buses in 2016. In February ABB announced the order for EV fast chargers in conjunction with Volvo for 11 electric hybrid buses for the city of Namur, Belgium.

“Sustainable mobility investments that reduce congestion and improve air quality are increasing,” said Pekka Tiitinen, President of ABB's Discrete Automation and Motion division. “As part of our Next Level strategy, we will continue to develop our e-mobility technology portfolio and work closely with companies like Volvo to ensure we provide the solutions these cities and public transportation systems expect.”

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 or 450 kW
- ABB's proven suite of connectivity features enables maximum availability, high uptime and fast service response
- Based on 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 a wider automotive community in the future

About Volvo 7900 Electric Hybrid buses

- Can be powered by electricity for up to 70% of operating time
- Quiet and exhaust-free when running on electricity
- 60% lower energy consumption* than a corresponding diesel bus
- 75 to 90% lower emissions of carbon dioxide* compared with a conventional diesel bus, depending on the fuel used
- Equipped with an electric motor, batteries and a small diesel engine
- The batteries are recharged at the route's end stations in between 4-6 minutes

*Estimated value on a city bus route of 10 kilometres, compared to a diesel bus Euro 6.

ABB (www.abb.com) is a leading global technology company in power and automation that enables utility, industry, and transport and infrastructure customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in roughly 100 countries and employs about 135,000 people.

For more information please contact:

Maria Jobin
Tel: +41 43 317 71 11
media.relations@ch.abb.com

ABB Ltd
Affolternstrasse 44
8050 Zurich
Switzerland