Electric hybrid bus line in Stockholm uses Siemens charging system

Stockholm Public Transport (SL) will be inaugurating service with electric hybrid buses on line 73 between Ropsten and the Karolinska Institute. Siemens, together with Vattenfall, has installed a new supercharging station at each end of the route. The station can charge the lithium battery of the bus in only six minutes. Fully charged, the electric hybrid buses can operate seven kilometers on electric power while minimizing emissions and noise levels.

"Electricity is an important part of the solution in future transportation. Infrastructure for electrification is important for cleaner and quieter public transport. Vattenfall’s involvement in the project allows us to demonstrate the “fuel of the future” on an entire bus route," says Andreas Regnell, Chief Strategy Officer Vattenfall Nordic Region.
“Electric hybrid buses and all-electric business will ensure that public transport bus fleets are increasingly ecofriendly. With our supercharging system, the buses can be quickly and simply supplied with energy,” added Sandra Gott-Karlbauer, CEO Siemens Business Unit Urban Transport.

Route 73 will be operated with Volvo 7900 buses equipped with a 150-kW electric motor. The batteries will be charged by Siemens supercharging stations located at each end of the route. To start charging, the bus driver merely has to park the bus beneath the charging station, and a contact arm automatically swings down. When the arm contacts the bus, the automatic six-minute charging process begins. A fully charged electric hybrid bus can operate around seven kilometers.

In January 2015, Siemens and Volvo Buses signed a global agreement to deliver complete electrified bus systems to cities. In December 2014, Hamburg (Germany) launched its ebus line with four Siemens supercharging stations for electric hybrid buses. In addition to Stockholm, Siemens will be installing a supercharging system in the Swedish city of Gothenburg in the course of 2015. ☞

Photos are available at:
www.siemens.com/press/eBus

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