



Electric Bus Operation (Shanghai, China)

The Project:

In 2010, 120 fully electric buses implemented during the 2010 Shanghai EXPO. During the EXPO, the buses were used in the EXPO park and were charged at each bus stop. Afterwards, they have been used throughout Shanghai. The power supply came in the form of on-board supercapacitors which were charged at every bus stop.

The project was funded jointly by the central government, the EXPO organisation and Shanghai VOLVO, as part of clean transport bus plan for Shanghai. This required cooperation with vehicle manufacturers, bus operators, energy providers and the government.



Current successes/problems

The buses helped to reduce air pollution, although they have presented a number of problems, including maintenance problems, an insufficient operational distance and insufficient charging points within the city. However, as such technologies mature, the lessons learned will prove valuable to aiding the successful implementation of electric buses.