

The Metropolitan Transportation Authority (MTA) Manhattan, New York

In October 2007, The Metropolitan Transportation Authority (MTA) announced that a new turbine-powered and futuristic-looking bus built by Designline is making trial runs in Manhattan. Their goals are:

- Run low emission vehicles in densely populated areas
- Increase fleet efficiency
- Reduce maintenance costs
- Improve reliability

The buses' Capstone microturbine generates electricity to charge batteries, which run electric motors providing the buses propulsion. The batteries are charged overnight and the turbine system recharges them when operating.

In addition, the vehicles are fitted with remote monitoring which means Designline engineers access the on-board computer's monitoring performance and carry out diagnostic checking.

In addition to this new test model, several hybrid electric buses, (as shown in the picture to the right) equipped with Capstone microturbines, have been operating in various parts of the world. ■



Capstone microturbines generate electricity to charge batteries on HEV buses.

