

More Baltic Biogas Bus

The More Baltic Biogas Bus project is all about showcasing an increased availability of biogas as vehicle fuel, both through increased upgrading and more efficient use of biogas as fuel in public transport. One key step in the biogas bus development is to go hybrid.

In Västerås, the public transport authority Västerås Lokaltrafik has decided to invest in a more standard performance bus from Polish manufacturer Solaris. The 12-meter city bus is a biogas-electric hybrid, using electricity for propelling the bus, while the biogas is dedicated to on-board heating.

Especially during winter times the heating requires as much as 50 per cent of the total energy input in the bus. By using renewable biogas for this, all of the 160 kW battery capacity is dedicated to propelling the bus, making the biogas heater an “indirect” range extender. The performance of the bus, which will be delivered in August of 2014, will also be compared with identical biogas buses from Solaris running the same routes.

By testing and evaluating different biogas hybrid solutions and implementations, the project will get one step further on the way to sustainable public transport solutions with minimum impact on local environment and climate change in the Baltic Sea Region.