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## The world's first biogas plant for LBG

Lidköping Biogas is one of the world's first plants for Liquefied Biogas (LBG). The new plant is a joint effort for the companies Swedish Biogas International Lidköping AB, Gästeborg Energi AB and the Municipality of Lidköping. The plant will supply cars and trucks with renewable fuel.

Plant production is designed at 7,5 MWth with an annual target of 60 GWhth. The production plant is designed by Swedish Biogas International AB. The biogas is upgraded in accordance with the Swedish standard for biogas as a vehicle fuel (SS 155428) in a water scrubber. A majority of the biogas is liquefied in the condensation plant. The technology is supplied by Air Liquide. In order to liquefy the biogas, the majority of remaining CO<sub>2</sub> (< 10 ppm) is purged by Pressure Swing Absorption (PSA) before the gas temperature is lowered using the Brayton cycle.

Source: <http://www.lidkopingbiogas.se/eng/>