

Sweden's First LNG Terminal

On the 2:nd of May 2011, the operation of Sweden's first LNG terminal was handed over from CRYO AB to AGA AB.

Sweden's first LNG terminal is located in Nynäshamn, near by Nynas AB's refinery. The facility consists of a jetty, a 20 000 m³ storage tank, process equipment and loading areas for trucks.

CRYO AB has had overall responsibility for the terminal's process, control system and storage tank. The project started in October 2008. Responsible for the project has been Lars Persson, and about 20 people from the CRYO AB have been involved in the project plus a large number of subcontractors.



The LNG terminalen in Nynäshamn.

Condensed natural gas is called LNG (Liquefied Natural Gas). At -162 °C natural gas is condensed to liquid, while the volume becomes 600 times smaller.

Natural gas replaces oil and gas as fuel for industry and shipping and is from the energy point of view the same as biogas. Natural gas can be considered the most environmentally friendly fossil fuel, because it has the lowest CO₂ emissions per unit of energy and little or no sulfur.



The first shipment of LNG to the terminal.

The LNG will go by ship from primarily Norway to the terminal. Thereafter the main part is transported by truck to users in central Sweden.

For the refinery nearby, LNG will be vaporized into natural gas, and distributed via pipeline. Natural gas will there replace naphthalene in the production of hydrogen.

In early April 2011 the first shipment of LNG arrived at the terminal. The date for the official opening is May 27, 2011.

CRYO AB is a Swedish workshop and engineering company with 200 employees. We design and manufacture equipment and systems for the transport, storage and handling of cold liquid gas. CRYO AB is since the year 2000 a part of The Linde Group, the world's leading gas and engineering company with over 50 000 employees.

Linde

CRYO AB, Box 8887, SE-402 72 Gothenburg, Sweden
Phone +46.31.646800, Fax +46.31.532220, www.cryo.se