

OVERVIEW:

Dow has joined the Hanseatic Energy Hub (HEH), an existing consortium established to build, own, and operate an import terminal for liquified gases on the industrial park of Dow in Stade, Germany. Dow has been operating the state-of-the-art industrial site with direct sea access in Stade for more than 50 years. The site offers excellent accessibility due to the proximity to the port of Hamburg, making it an ideal location for an LNG terminal. The site is also at a short connection distance from the German gas transport network with access to large customers.

The LNG terminal to be constructed by HEH will consist of:

- A shore terminal with up to 4 tanks for storing liquified gases.
- Peripheral equipment including optimized regasification capacities and gas grid connection.
- Extension of existing Dow harbor and a new harbor for unloading/reloading large gas carriers and extra jetty for smaller gas carriers and barges.

Dow is committed to contributing to the diversification of the EU energy supply, a key step in ensuring a stable cost-effective and sustainable supply of energy to Europe as we work towards their ambitious climate goals. The project also supports the Joint Statement between the European Commission and the United States on European Energy Security, reducing Europe's dependency on Russian gas by satisfying as much as 12 percent of Germany's current natural gas demand, or 10% of the the natural gas currently supplied by Russia to the EU. The agreement would also allow the United States to meet nearly 25 percent of its goal to export 50 bcm of natural gas annually to Europe by 2030.

This project is the most advanced in terms of planning, with an envisaged starting date in 2026. This could be further accelerated if the planning approval process is expedited in line with the Joint Statement.

Moreover, the use of industrial waste heat from Dow plants will allow for a very high efficiency in the regasification of the LNG, with no additional CO₂ emissions from the conversion, making it a "Zero Emission Terminal", in line with the Joint Statement's commitment to reduce the greenhouse gas intensity of all new LNG infrastructure. The terminal will also be ready for future decarbonized solutions, as it will be possible to disembark green gases and hydrogen-based fuels.

In addition to the land, Dow will provide technical expertise and infrastructure services. The existing infrastructure of a highly integrated manufacturing site with many years of experience with safety in handling liquefied gases, including ship loading and unloading, can be used.

