



Joint Press Release
January 17, 2019

Uniper and Titan LNG to cooperate boosting LNG Wilhelmshaven Terminal functionality

- **Seagoing vessels and trucks to be loaded at LNG terminal Wilhelmshaven**
- **LNG in response to tightened environmental requirements for maritime transport**

Uniper SE and the Dutch Titan LNG signed a memorandum of understanding to accelerate the growth of Liquefied Natural Gas (LNG) as a fuel in the downstream markets for industry, road fuel and shipping fuel in Germany. Both parties are planning to develop a user-friendly technical interface and commercial products for small-scale LNG players from the Wilhelmshaven Floating Storage and Regasification Unit (FSRU) for LNG. The terminal in Wilhelmshaven will enable the loading of small LNG seagoing vessels and barges. In addition, several truck loading bays are planned to enable the onward transport of LNG by road.

The distribution of LNG by truck from Wilhelmshaven is seen as an important impulse for the establishment of LNG as truck fuel. Numerous LNG filling stations are currently under construction in Germany. Compared to diesel, LNG will significantly reduce CO₂ emissions. In addition, no particles will be emitted and nitrogen and sulfur oxide emissions will be greatly reduced. The German Federal Government supports logistics companies with subsidies and the toll-free use of German roads for LNG-powered trucks.

With its proximity to the Jade Weser Port, Bremerhaven and the German Bight, Wilhelmshaven is a very suitable location to supply LNG for all downstream markets and in particular for marine fuels. The market for so-called small-scale LNG is gaining in importance due to its proven economic benefits. As a fuel, LNG already meets the more stringent environmental requirements for ocean shipping.

Keith Martin, Member of the Executive Board and Chief Commercial Officer of Uniper SE: "The agreement with an experienced and established market player in the small-scale LNG sector such as Titan LNG is another important step for the FSRU Wilhelmshaven project. Titan LNG has extensive know-how in the development of attractive products for customers in this segment. With Wilhelmshaven, we offer a first-class location for supplying the shipping and road fuel markets with LNG. With this cooperation, the FSRU Wilhelmshaven project can make an important contribution to reducing CO₂ and pollutant emissions".

Niels den Nijs, Chief Executive Officer of Titan LNG: "Titan LNG is pleased that we can contribute the know-how we have built up over the last six years to this project for the LNG downstream market. We believe that the short distances to the markets will help to boost LNG as a fuel. Our existing and future customers will benefit from the economic and environmental advantages of this fuel."

Titan LNG and Uniper have been leading suppliers in the small-scale LNG market segment for years. Uniper is currently developing a Floating Storage and Regasification Terminal (FSRU) at its Wilhelmshaven site. The FSRU will have a natural gas send-out capacity of 10 billion cubic meters per year and an LNG storage capacity of more than 263,000 m³. The terminal is scheduled to go into operation in the second half of 2022. In Wilhelmshaven, Uniper can use existing infrastructure. It is the only German site with a deep-water port and can be reached without tidal constraints. In addition, Wilhelmshaven is ideally located with regard to the existing pipeline and gas storage infrastructure.

FSRU technology is often used in the LNG industry. Compared to an onshore facility, a FSRU can be built faster and more cost-effectively, reducing risks during the construction phase.



In December 2018, Uniper signed a memorandum of understanding with the Japanese shipping company Mitsui O.S.K. Line (MOL). MOL will own, finance and operate the FSRU. Uniper is currently coordinating the permits for the operation of the facility with the relevant authorities.

Project website: www.lng-wilhelmshaven.com

About Uniper

Uniper is a leading international energy company with operations in more than 40 countries and some 12,000 employees. It focuses on the safe delivery of energy and related services. Its primary activities include electricity generation in Europe and Russia as well as global energy trading. Uniper operates gas storage facilities in Germany, Austria, and the UK, and plays an important role in the safe and flexible delivery of natural gas. Uniper is one of the first companies to be involved in the field of power-to-gas and operates demonstration facilities in Hamburg-Reitbrook and Falkenhagen. Uniper is headquartered in Düsseldorf, Germany. Further, Uniper is involved in the development of the LNG as a fuel for the transportation market via its subsidiary Liqvis and supplies the small-scale LNG market via existing terminal capacities.

www.uniper.energy

Website of Uniper's subsidiary Liqvis: www.liqvis.com

About Titan LNG

Titan LNG is the leading full-service supplier of LNG to the marine and industrial markets in North West Europe. In the marine segment Titan LNG specializes in providing shipping customers with practical and flexible LNG solutions like the T-piece for combined Truck-to-Ship bunkering. Titan LNG will make low cost ship-to-ship bunkering possible in ARA with its FlexFueller001 bunkering pontoon, that is under construction and will be on the water end of the first quarter this year. Titan LNG has a growth strategy in place for multiple ports in NW Europe and the Mediterranean.

www.titan-lng.com

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