

**Economically viable.
Environmentally sound.**



TORP Terminal LP is a privately held U.S. company with offices in Houston, Texas and Mobile, Alabama.
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The HiLoad unit docks onto the side of the LNG carrier and helps maintain optimal positioning during the unloading process. After regasification onboard the HiLoad, the gas moves through a flexible gas riser to the nearby Floating Regasification Unit and then to existing area pipelines.

TORP represents an economically viable, environmentally sensitive alternative for the import of natural gas to the United States.

What is the HiLoad?

The HiLoad is a floating, L-shaped terminal that docks onto any LNG carrier using a patented, friction-based attachment system. The HiLoad's attachment system is based on the simple concept of utilizing a combination of buoyancy and large, industrial-sized suction cups. The bond created between the HiLoad and the LNG carrier eliminates any relative motion between the carrier and the terminal – the two move as a single unit during offloading and regasification operations.

The HiLoad unit itself is a large, unmanned buoy attached to the nearby Floating Regasification Unit (FRU) via flexible risers. The FRU is held in position by a detachable turret mooring system and the LNG carrier is tethered to the FRU via a conventional mooring hawser attached to the facility's stern. This combination allows the entire system to weather-vane a full 360 degrees around the turret in response to currents and weather.

The HiLoad unit is equipped with standard regas equipment, including LNG loading arms, pumps and vaporizers. The HiLoad can accommodate any LNG carrier – including the large Q-Max vessels – without the use of special equipment. The Bienville Offshore Energy Terminal will have the capacity to regasify 1.4 billion cubic feet of natural gas per day.

The HiLoad technology has been approved in principle by the American Bureau of Shipping (ABS) and Det Norske Veritas (DNV). The HiLoad LNG Regas technology also earned the prestigious Woelfel Distinguished Innovation Award (formerly the OTC Innovation Award) at the Offshore Technology Conference in Houston in May 2004.

How it works

The Bienville Terminal will consist of a HiLoad and a Floating Regasification Unit (FRU). The FRU will be moored in place via a detachable turret mooring system which is anchored to the seabed. The HiLoad unit will be remotely controlled from the Floating Regasification Unit and the FRU will serve as a metering station for the LNG, and will also provide electrical power, utilities and safety equipment for the Bienville Terminal, as well as the crew's quarters and a helipad.

The Ambient Air Vaporization process is used to heat an intermediate fluid which in turn is used to vaporize the LNG. The intermediate fluid is transferred in a closed loop between the AAV plant onboard the FRU and the shell & tube vaporizers on the HiLoad.

Once the LNG is regasified, the vaporized gas is transferred in high pressure flexible gas lines from the HiLoad unit to the FRU, where the gas is metered. From there, the natural gas is transferred into several of the numerous existing pipelines located nearby on the seafloor which in turn delivers the gas to shore.

A Better Solution

TORP's Bienville Offshore Energy Terminal is simply a tolling facility. There is no storage, and TORP Terminal will not own the LNG at any point. TORP Terminal is providing award-winning, state-of-the-art technology to LNG suppliers who seek a safe, cost-effective and environmentally sound regasification facility with excellent access to existing pipeline infrastructure serving the eastern half of the United States.

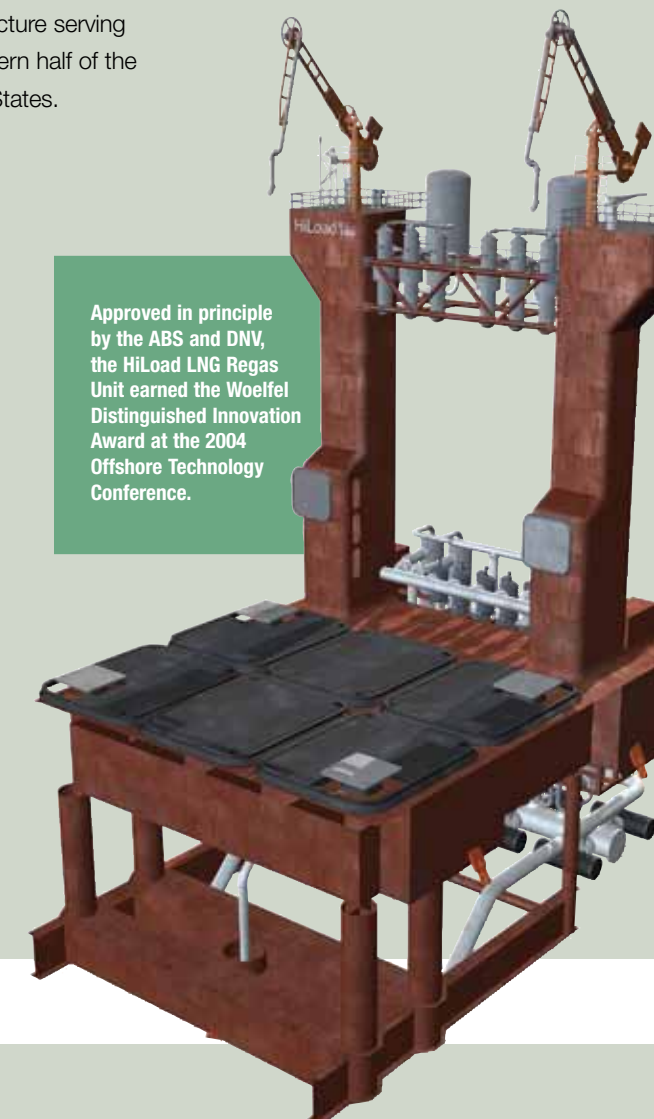
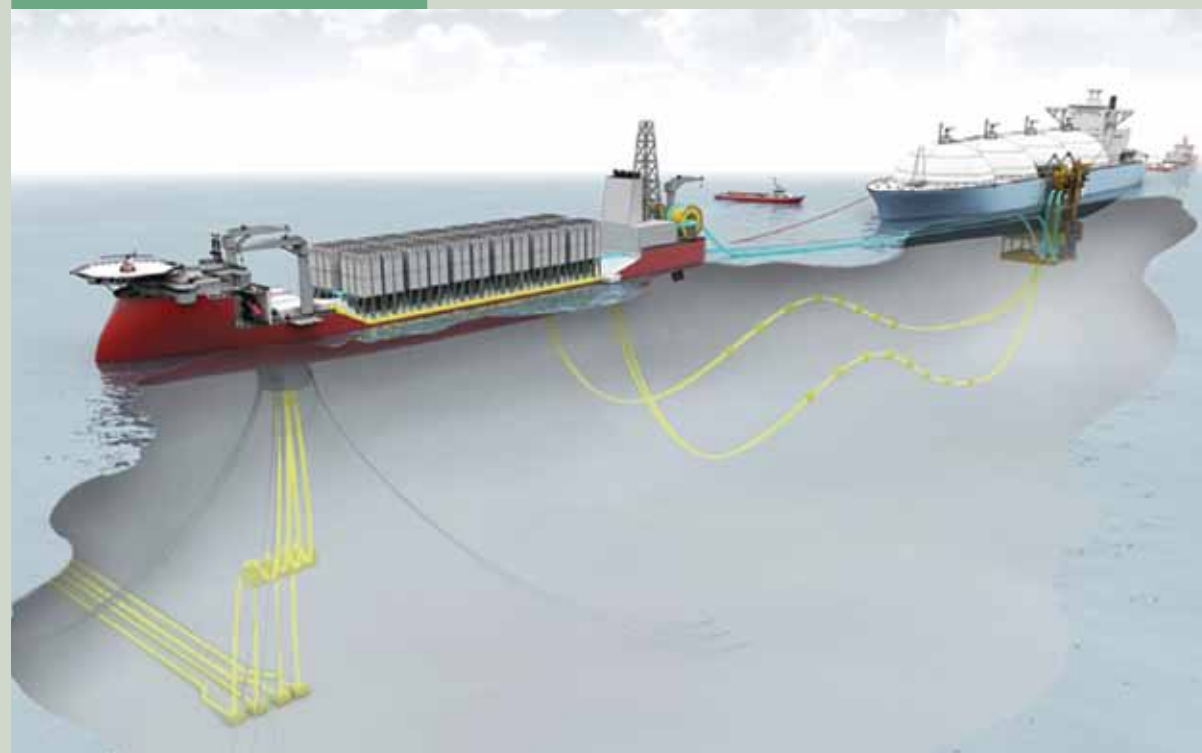
An Environmentally Sound Alternative

As America's demand for additional sources of natural gas increases, TORP Technology offers an attractive solution for LNG regasification: the Bienville Offshore Energy Terminal.

The Bienville Terminal will consist of a HiLoad and a Floating Regasification Unit (FRU). The terminal will utilize the closed-loop Ambient Air Vaporization (AAV) process to vaporize the LNG. The AAV technology has been used at onshore LNG plants and has been widely praised by the environmental community as having minimal environmental impacts.

The Bienville Terminal will be located far off shore and in deep water, which will minimize vessel congestion and any impact on marine life. The site is 63 miles south of Dauphin Island, Alabama, and is located in approximately 450 feet of water. The terminal will utilize the award-winning HiLoad Technology for safe offloading of LNG carriers and regasification.

TORP's Bienville Offshore Energy Terminal offers the unique combination of superior offloading via HiLoad technology and environmentally friendly Ambient Air Vaporization.



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