



## Technip awarded contract by Air Products for a hydrogen plant in Baytown, Texas, USA

January 8, 2016

*Leveraging its long term alliance with Air Products*

Technip was awarded a contract by Air Products to provide technology, engineering and procurement services for a grassroots hydrogen plant in Baytown, Texas, USA. The 3.5 million standard cubic meters per day plant will produce hydrogen and carbon monoxide (CO) to be supplied to customers from Air Products' established Gulf Coast Hydrogen and CO Pipeline Networks.

The plant will be built through the global hydrogen alliance<sup>(1)</sup> between Air Products and Technip. It will feature Technip's proprietary high efficiency steam methane reforming (SMR) technology to produce high purity hydrogen, carbon monoxide and export steam. It will also use the latest nitrogen oxide reduction technology to reduce emissions.

Technip's operating center in Claremont, California, USA, will execute the project, which is scheduled for completion in 2018.

Stan Knez, President, Technip Stone & Webster Process Technology, commented: *"We are proud that our SMR technology is helping customers meet the world's growing energy needs in a reliable, efficient and sustainable manner. We look forward to executing this new project under our global alliance with Air Products. This is the longest and most productive global hydrogen alliance supporting the oil and gas industry around the world."*

### Fast Facts

#### About onshore products

- **Hydrogen:** hydrogen is widely used in petroleum refining processes to remove impurities found in crude oil such as sulfur, olefins and aromatics to meet the product fuels specifications. Removing these components allows gasoline and diesel to burn cleaner and thus makes hydrogen a critical component in the production of cleaner fuels needed by modern, efficient internal combustion engines.
- **Reformer:** a reformer (also called steam reformer or steam methane reformer) is a widely used industrial processing device in which a fossil fuel reacts with steam at high temperatures in the presence of a catalyst to produce hydrogen.

#### Learn more on Technip's Hydrogen Technology :

[http://www.technip.com/sites/default/files/technip/fields/publications/attachments/hydrogen\\_technology\\_may\\_20115\\_web.pdf](http://www.technip.com/sites/default/files/technip/fields/publications/attachments/hydrogen_technology_may_20115_web.pdf)

<sup>(1)</sup> For more than 20 years, the Technip-Air Products alliance has provided the worldwide refining industry with competitive technology and world-class safety. The alliance is responsible for over 35 hydrogen production plants located in 11 countries around the world and produces well over 56 million standard cubic meters of hydrogen per day for clean fuels production. Technip provides the design and construction expertise for steam reformers while Air Products provides the gas separation technology. Air Products, through its extensive operating network, and Technip, from its large reference base, also bring effective operational and engineering knowledge to "design-in" high reliability and efficiency.

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Technip is a world leader in project management, engineering and construction for the energy industry.

From the deepest Subsea oil & gas developments to the largest and most complex Offshore and Onshore infrastructures, our 36,000 people are constantly offering the best solutions and most innovative technologies to meet the world's energy challenges.

Present in 48 countries, Technip has state-of-the-art industrial assets on all continents and operates a fleet of specialized vessels for pipeline installation and subsea construction.

Technip shares are listed on the Euronext Paris exchange and traded in the USA on the OTCQX marketplace (OTCQX: TKPPY) as American Depositary Receipts.



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## More information

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