



Technip awarded a significant technology and EPC contract by CHS for a hydrogen plant in Montana, USA

November 13, 2015

Technip was awarded a significant⁽¹⁾ contract by CHS Inc.⁽²⁾ to provide proprietary technology and EPC⁽³⁾ for a 40 thousand normal cubic meters per hour grassroots hydrogen plant at the CHS Refinery in Laurel, Montana, USA.

The plant is part of the company's ongoing upgrades to boost efficiency, increase diesel production and process additional crudes at its refinery.

The design will utilize Technip's high efficiency top-fired steam reforming technology to produce high purity hydrogen and export steam as well as the latest nitrogen oxide reduction technology to ensure minimum emissions.

Technip's operating center in Claremont, California, USA, will execute the project, which is scheduled for completion in 2017.

Stan Knez, President, Technip Stone & Webster Process Technology, commented: *"With this key hydrogen project, we are pleased to continue our long-term relationship with CHS. The award reinforces Technip's strategic focus on early involvement in projects with our steam reforming technology as a key differentiator."*

Previously, Technip provided a steam reformer and a parallel reformer for the CHS Refinery in Laurel, Montana, USA. Technip also completed two hydrogen projects for the CHS Refinery in McPherson, Kansas, USA.

(1) For Technip, a "significant" onshore contract is ranging from €50 to €100 million.

(2) CHS is a leading global agribusiness owned by farmers, ranchers and cooperatives across the United States. A Fortune 100 company, CHS supplies energy, crop nutrients, grain marketing services, animal feed, food and food ingredients, along with business solutions including insurance, financial and risk management services. The company operates petroleum refineries/pipelines and manufactures, markets and distributes Cenex® brand refined fuels, lubricants, propane and renewable energy products.

(3) Engineering, Procurement and Construction

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

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.



Public Relations

Laure Montcel Tel. +33 (0) 1 49 01 87 81

Delphine Nayral Tel. +33 (0) 1 47 78 34 83

E-mail: press@technip.com

Investor and Analyst Relations

Kimberly Stewart Tel. +33 (0) 1 47 78 66 74

E-mail : kstewart@technip.com

Aurélia Baudey-Vignaud Tel. +33 (0) 1 85 67 43 81

E-mail: abaudeyvignaud@technip.com

Michèle Schanté Tel. +33 (0) 1 47 78 67 32

E-mail: mschante@technip.com

More information

Website

<http://www.technip.com>



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