



Technip awarded contract to supply hydrogen reformers for PETRONAS' RAPID project in Malaysia

October 20, 2015

Technip has been awarded by Tecnicas Reunidas a significant⁽¹⁾ contract to supply three hydrogen reformers as part of the hydrogen production facility at PETRONAS' Refinery and Petrochemical Integrated Development (RAPID) project located in the state of Johor, Malaysia.

As the heart of the hydrogen plant, the reformers will produce 344,500 Nm³/h⁽²⁾ of hydrogen and syngas products. It will supply high quality export steam to the refinery steam network. The supply of the reformers is based on Technip's proprietary top-fired steam methane reforming technology. The reformers are expected to come on-stream in 2018.

RAPID is PETRONAS' largest green-field downstream undertaking in Malaysia, and along with its six major associated facilities, forms the Pengerang Integrated Complex (PIC). The associated facilities are the Pengerang Co-generation Plant, LNG Re-gasification Terminal, Air Separation Unit, Raw Water Supply project, the Liquid Bulk Terminal and the Central and Shared Utilities and Facilities.

Early involvement represents a strategic focus for Technip. Prior to the supply of the hydrogen reformers, Technip was involved in the front-end engineering design for the RAPID project.

The reformer project will be executed by Technip's office in Zoetermeer, the Netherlands, a center of excellence for hydrogen and syngas technology. With more than 260 hydrogen production units licensed worldwide, Technip has been consistently recognized as the market leader in this technological field.

Stan Knez, President, Technip Stone & Webster Process Technology, commented: *"We are delighted that our proprietary steam methane reforming technology has been selected for this PETRONAS RAPID site, which will be one of the largest hydrogen and syngas production facilities in the Asia Pacific region."*

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

⁽²⁾Normal meters cubed per hour, a unit used to measure gas flow rate.

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 37,500 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.

Fast Facts

About subsea products

- **Umbilical:** an assembly of steel tubes and/or thermoplastic hoses which can also include electrical cables or optic fibers used to control subsea structures from a platform or a vessel. Umbilical systems are the critical link in subsea operations, relaying power, communications and chemicals between hydraulic-operated equipment on the seafloor and a platform or support vessel.

About Technip in Angola

As a local partner focused on onshore, offshore and subsea engineering solutions, Technip's activities in Angola include:

- engineering services through Technip Angola Engenharia Limitada, the first engineering company in Angola, a joint venture between Sonangol (40%) and Technip (60%),
- umbilical manufacturing with Angoflex Limitada, created in 2002, through an association between Sonangol (30%) and Technip (70%),
- a reeled steel pipe spoolbase with Angoflex Limitada, inaugurated in 2006 and located in Barra do Dande, North of Luanda.

More information on: <http://www.technip.com/en/entities/angola/profile>

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