

Air Liquide Engineering & Construction will supply hydrogen purification technology for world-scale methanol production complex in the US

Air Liquide Engineering and Construction will supply a hydrogen purification PSA (Pressure Swing Adsorption) unit to one of the largest methanol production facilities to be built by Yuhuang Chemical Inc (YCI) in St. James Parish, Louisiana, as per recently signed agreement. Purified hydrogen will enable higher efficiency of methanol production, with less natural gas consumption per ton of methanol.

The PSA is part of full suite of hydrogen technologies that Air Liquide Engineering and Construction offers to its customers. **Air Liquide Engineering and Construction** has more than **70 PSA references** and combines state-of-the art technology with a wide range of the best performing adsorbents in the market. The Customers also benefit from operating experience gained from a large fleet of PSA units owned and operated by Air Liquide, and from the unique combination of a methanol technology licensor and PSA supplier for this specific application of hydrogen recovery in methanol plants.

YCI is a loyal customer of Air Liquide. In 2014 Air Liquide was selected as the technology provider for the methanol plant and in 2015 as the supplier of oxygen for its world scale methanol manufacturing complex. Air Liquide Engineering & Construction also provides detailed engineering and procurement services for the complex.

Yuhuang Chemical Inc. (YCI) – a US subsidiary of Shandong Yuhuang Chemical Co. Ltd. (SYCC) is building a world scale chemical complex on 1,300 acres in St James Parish, Louisiana. Construction of the methanol complex has begun this year, with the first phase of the methanol project beginning operations by late 2019.

Chad Briggs, Vice President Sales & Technology of Air Liquide Engineering & Construction, said: **“Air Liquide Engineering & Construction is pleased to provide hydrogen purification solutions complementing our methanol and ASU technologies for the largest methanol production facility in Louisiana. Our capabilities in designing and operating PSA units date back to the early 1960s and since then we continuously improve our offer for the benefit of our customers. This is the case with YCI, who has proven to be a valued partner and we look forward to a long lasting relationship.”**

Air Liquide Engineering & Construction

Air Liquide Engineering and Construction builds Air Liquide Group production units (mainly air gas separation and hydrogen production units) and provides external customers with efficient, sustainable, customized technology and process solutions.

Our core expertise in industrial gas, energy conversion and gas purification, enables customers to optimize natural resources.

We cover the entire project life-cycle: license engineering services / proprietary equipment, high-end engineering & design capabilities, project management & execution services. In addition we also offer efficient customer services through our worldwide set-up. As a technology partner, customers benefit from our research and development to achieve energy transition goals.

CONTACTS

Air Liquide Engineering & Construction-Communications

Natalia Anjaparidze
+49 (0) 69 58 08 18 20

The world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 67,000 employees and serves more than 3 million customers and patients. Oxygen, nitrogen and hydrogen are essential small molecules for life, matter and energy. They embody Air Liquide's scientific territory and have been at the core of the company's activities since its creation in 1902.

Air Liquide's ambition is to lead its industry, deliver long term performance and contribute to sustainability. The company's customer-centric transformation strategy aims at profitable growth over the long term. It relies on operational excellence, selective investments, open innovation and a network organization implemented by the Group worldwide. Through the commitment and inventiveness of its people, Air Liquide leverages energy and environment transition, changes in healthcare and digitization, and delivers greater value to all its stakeholders.

Air Liquide's revenue amounted to €18.1 billion in 2016 and its solutions that protect life and the environment represented more than 40% of sales. Air Liquide is listed on the Euronext Paris stock exchange (compartment A) and belongs to the CAC 40, EURO STOXX 50 and FTSE4Good indexes.