

Air Liquide Engineering & Construction selected to supply hydrogen production technology to the world's largest single train refinery

Air Liquide Engineering & Construction has been selected to supply two hydrogen production steam methane reformer (SMR) units to Dangote Group, the largest manufacturing conglomerate in West Africa.

The SMR units will be core to a new hydrogen generation complex producing 200,000 Nm³/h of hydrogen and high quality steam for Dangote's new refinery located in the Lekki free trade zone in Nigeria. The new refinery is part of the largest industrial complex that is currently under development in Africa and will produce Euro V compliant low sulfur fuels among other products. Hydrogen is used today in many industrial sectors, especially in the oil refining process to produce sulphur-free fuels. This project will considerably improve refining infrastructure in Nigeria and consequently enable the country to manufacture refined products locally, reducing the reliance on the imported goods.

This equipment supply agreement follows a first agreement related to technology license and process design Air Liquide signed with Dangote in 2015, demonstrating trust in Air Liquide's technology and the quality of the key equipment.

Air Liquide Engineering & Construction is a leading supplier of a cost-effective, highly reliable and energy efficient SMR units for hydrogen production.

Domenico D'Elia, Vice President and Chairman of Air Liquide Engineering & Construction, said: **"We are proud to deliver our technology and the steam reformer packages for the large hydrogen production unit as part of this ambitious refinery project. Dangote's confidence in selecting Air Liquide's hydrogen and steam reforming technology reaffirms our leading position in this market segment, with more than 130 references around the globe "**

Air Liquide Engineering & Construction

Air Liquide Engineering & 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. Air Liquide Engineering & Construction covers 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.

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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.