

Air Liquide Engineering & Construction and Mitsubishi Chemical announced a new partnership

Air Liquide Engineering & Construction has signed a cooperation agreement with Mitsubishi Chemical Corporation to license MCC's Butene-to-crude-Butadiene technology used in the petrochemical industry.

Mitsubishi Chemical Corporation (MCC) has developed this state-of-the-art oxidative dehydrogenation technology of n-butene to produce crude Butadiene and verified the viability in a demonstration plant at MCC Mizushima, Japan.

Butadiene is an important industrial chemical used in many day-to-day products, mainly as synthetic rubber for the automotive industry. Butadiene can also be used as a raw material for the production of products such as polymers, plastics and paper chemicals.

Air Liquide Engineering & Construction can now offer its customers a unique integrated solution for both, butene dehydrogenation and butadiene extraction. This allows to extend the production of Butadiene from the conventional extraction from a Naphtha Cracker product to on-purpose production based on a wider range of feedstocks.

Air Liquide Engineering and Construction is a worldwide recognised butadiene licensor with 37 references and its capabilities in custom-made design and engineering of butadiene units have been recognized as a benchmark in the industry, providing production reliability, low energy consumption and product quality.

Domenico D'Elia, Vice President and Chairman of Air Liquide Engineering & Construction, said, "Partnership with Mitsubishi Chemical Corporation is yet another important step to enhance our integrated offer in butadiene technology licensing. The combination of high-quality solutions in addition to our existing technology portfolio will create sustainable alternative production routes to our customers and create value over the long-term".

Mitsubishi Chemical Corporation takes its position as one of the world's top chemical companies and has a long history not only as a high quality petrochemical products manufacturer, but also as a licensor for reliable petrochemical technologies and a broad range of high performing catalysts.

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. Air Liquide Engineering & Construction's core expertise in industrial gases, energy conversion and gas purification, enables customers to optimize natural resources. This business unit covers the entire project life-cycle: license engineering services / proprietary equipment, high-end engineering & design capabilities, project management & execution services. As a technology partner, customers benefit from our research and development to contribute to energy transition. In 2016, revenues were €474 million.

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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.