

Air Liquide signs an agreement with AVR for a circular economy project in the Netherlands

Air Liquide and AVR, a company specialized in waste treatment, have signed today a long-term agreement related to the recovery and reuse of CO₂. Starting April 2019, AVR will capture, purify and liquefy CO₂ from their waste incinerator located in Duiven, Netherlands. Air Liquide will invest in the necessary distribution and storage equipment to deliver the liquid CO₂ to end-users, primarily in the greenhouse agriculture industry, contributing to local circular economy.

Air Liquide and AVR have signed today a long-term agreement related to the recovery and distribution of CO₂ captured from an AVR incineration facility. A new CO₂ recovery installation to be built by AVR will capture, purify and liquefy CO₂ from an already existing waste incinerator at their site in Duiven, Netherlands.

The liquid CO₂ produced by AVR will be distributed by Air Liquide which will make investment associated with the transport fleet as well as the cryogenic storage and gas distribution installations for the end users, primarily in the greenhouse agriculture industry. Under the agreement, Air Liquide will provide the expertise in the liquid CO₂ value chain as well as solutions for injection and atmosphere control for the greenhouse agriculture sector.

With more than 10,000 hectares of greenhouse agriculture, the Netherlands has the largest cultivated greenhouse area in the world. Demand for liquefied CO₂ for greenhouse agriculture has been growing in the context of lower energy consumption commitment from the industry*. Air Liquide and AVR have collaborated to ensure greater flexibility and higher delivery reliability.

Lars Strandberg, Vice President Air Liquide North West Europe said: *"We are pleased to partner with AVR to recover liquid CO₂ which will facilitate the energy transition of the agriculture greenhouse sector. This project will strengthen the liquid CO₂ supply and availability for this growing market. Air Liquide contributes to sustainability through concrete solutions."*

Yves Luca, CEO AVR said: *"This is a huge step for AVR and the waste management sector towards a CO₂ neutral waste management system. The sustainable partnership with Air Liquide is an important basis for future growth. This is our first step; we are committed to realising the large-scale capturing and useful application of CO₂ from our processes and thereby contributing to the national climate goals."*

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AVR

AVR specializes in the processing of various types of residual waste that they convert into energy and raw materials for households and businesses. Their ambition is to create a clean world in which nothing remains unused. The company employs 450 employees.

www.avr.nl/nl

Air Liquide BENELUX

Air Liquide has been operating in Belgium since 1906 and in the Netherlands since 1913. The company runs 27 industrial sites in the Benelux. Today, the Group employs more than 1,200 employees in all activities and supplies more than 65,000 customers and patients. The Industrial Merchant Activity of Air Liquide Benelux supplies industrial gases as well as innovative solutions, including technologies, equipment and services.

<http://www.catalog-airliquide-benelux.com/nederland/blog>

The world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 65,000 employees and serves more than 3.5 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 20.3 billion euros in 2017 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.