

PRESS RELEASE

First large-scale CO₂ capture plant at energy-from-waste company in Europe

First tons of CO₂ captured from residual waste supplied to greenhouse horticulture

Duiven, 1st October 2019 – The energy-from-waste company AVR has started with the capture and supply of the first tons of CO₂ to greenhouse horticulturists. Re-used CO₂ contributes to a reduced use of natural gas and therefore to a more sustainable greenhouse horticulture. AVR is the first European energy-from-waste company capable of large-scale CO₂ capture and delivery.

AVR announced the [construction of the CO₂ installation](#) at the Duiven location in May 2018. The installation was completed a little over a year later with strong support from technical engineering firm [TPI](#). The first 7.500 tons of CO₂ have now been captured and supplied to various buyers in the greenhouse horticulture sector via, business partner, Air Liquide. This sector uses CO₂ for the cultivation of crops like flowers, vegetables and plants. The CO₂ generated during the processing of residual waste is subsequently reused as raw material in other sectors. The capture installation boasts an impressive total capacity of 100,000 tons per year.

Yves Luca, AVR's CEO: "The new CO₂ capture installation perfectly fits in with AVR's strategy. We are aiming for CO₂-neutral waste processing and this new step means we can now justifiably refer to ourselves as frontrunners in both the Netherlands and Europe. We have demonstrated that CO₂-reduction is most definitely possible with long-term investments and collaborations and we are the very first waste energy company to be turning the Climate Agreement plans into concrete results."

But AVR's contribution can go way beyond this. AVR's ultimate objective is to capture, reuse and apply 800,000 tons of CO₂ per year. Plans are currently in the making for building a similar installation in Rotterdam. With the right preconditions in place, the Dutch waste sector will be able to capture more than 2 million tons of CO₂ in the foreseeable future.

About AVR

AVR is specialised in the processing of various types of residual waste. We turn this residual waste into energy and raw materials for households and companies. It's our ambition to create a clean world where nothing remains unused. AVR turns what is deemed to be worthless into something valuable again. The company is working on positive changes, every single day, with a level-headed outlook and practical solutions.

About TPI

Tecno project industrial (TPI) is an Italian company incorporated in 1987, located in Curno (Bergamo) and specialised in solutions for the Gas & Beverage Industry market and/or in other Gas sector related applications. TPI excels in the engineering and production of CO₂ recovery plants, CO₂ production systems, CO₂ extraction plants and plants for the gas industry and biomethane plants. TPI successfully entered the CO₂ market in 2014 by entering the Biogas CO₂ separation market and developing Biogas Upgrading systems. The company innovation strategy led to new markets in 2015, which resulted in the first industrial plant on stream in Italy, with the injection of Biomethane into the gas network and production of food-grade CO₂.

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