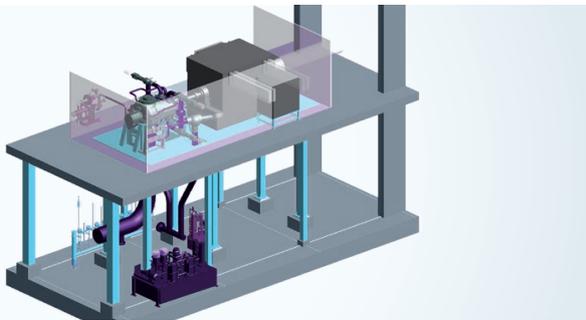


Steam turbine set at AVR's waste incineration plant

New steam turbine to be installed in 2021

Siemens has won the contract to install a new steam turbine at AVR's energy from waste plant in Rozenburg/The Netherlands in 2021. The turbine will enable AVR to answer the anticipated demand for district heating and steam.

The new steam turbine will be an efficient and well proven SST-400 back-pressure turbine and a SGen5-100A-2P generator with an electric power output of 22 MW. Further scope of supply are the steel base frame and steel columns, live steam and exhaust steam piping, noise hood incl. firefighting system and other electrical parts, e.g. transformer.



Power, process steam and district heating

The new turbine will be used to supply heat to households connected to the Eneco and Vattenfall district heating network in the Rotterdam region. The turbines' capacity and efficiency will increase security of supply and, as a result, will provide the flexibility to facilitate the anticipated growth of district heating and steam demand. At maximum power this turbine will be able to supply the annual power consumption of 60,000 households.

Investing in this turbine will enable AVR to extract even more energy from the residual waste and, thus, lower its CO₂ footprint. It is therefore completely in-line with AVR's strategy of processing residual waste in a responsible manner that has a minimum impact on our living environment.

Siemens has decades of experience in commissioning turbosets in waste incineration plants. Over 200 power trains have been taken into commissioning in plants burning waste or biomass all over the world.



„A sensible and complex new piece of power equipment“

*Pim de Vries,
Director Energy from Waste AVR*

“AVR is facing a demanding modernization project to install a sensible and complex new piece of equipment in an existing and operation surrounding which requires excellent planning and communication skills. Both, spatial conditions and the time frame for the project execution are fixed in concrete.

Siemens has decades of experiences in commissioning turbosets in waste incineration plants. They have in depth technical knowledge, good organizational skills and a safe way of working, which makes us trusting in our good choice in Siemens as a supplier and project partner.”

Pim de Vries

From worthless to valuable – about AVR

AVR specialises in processing various types of residual waste into energy and raw materials for households and businesses. AVR's ambition is to create a clean world in which nothing is wasted. AVR makes the worthless-valuable again.

www.avr.nl

Industrial steam turbines by Siemens

As market leader for industrial steam turbines Siemens Energy offers a comprehensive range of reliable and versatile steam turbines for the power output range from 2 to 250 MW. The global manufacturing and service networks ensures customer proximity and accessibility.

www.siemens.com/steamturbines



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