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On April 24, 2020, Gero Ferges, CEO of A.H.T. Syngas Technology N.V. ("A.H.T.") signed a Memorandum of Understanding with a Japanese company to develop, supply and support a facility for the treatment of synthesis gas from waste materials for chemical and material use.

The project's aim is the purification of the synthesis gas produced in power plants for the utilisation of the gas components. Due to the relative impurity of the synthesis gas formed in the company's power plants, it played a minor role in the company's plant processes so far. A.H.T. was able to convince the company of its unique selling proposition of the so-called "wet gas scrubbing", which in contrast to conventional filter technologies enables a considerably more efficient gas purification. Potential pollutants and especially particles are almost completely washed out. This is necessary to separate the gas components cleanly from each other and to be able to use them in industrial applications.

The agreement defines the stages and objectives during the joint development.

"We are proud to have been selected as technology partner by this renowned and international company. The signing of the agreement is now an important step in strengthening our joint cooperation," notes Mr. Gero Ferges.

"A.H.T. sees the great potential of gasification technology and gas treatment not only for direct conversion into electricity and heat, but also into chemical base materials. We will therefore significantly expand our portfolio with innovative and revenue-generating solutions for the use of synthesis gas. This will not only boost our activities in the Japanese market, but also project acquisition in our target markets, especially in Europe", Mr. Ferges continues.

The personal presence of the signatories is particularly important in Japanese corporate culture – in the wake of the current travel restrictions, negotiations were therefore held via video conferences. The contracts were then signed and exchanged by courier.