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During 30 to 31 October 2019, A.H.T. Syngas Technology (in short "AHT"), represented by its CEO Gero Ferges, participated once more in the yearly "Renewable Energy Industrial Fair" in Fukushima/Japan (see [Corporate News from 25 October 2019](#)).

As this year's focus of the fair was set towards the utilisation of hydrogen as energy carrier alongside with opportunities of its sustainable production, AHT was able to introduce its innovative approach of hydrogen separation from synthesis gas. The participation, funded by the regional prefecture Fukushima, at the common booth of the Energy Agency of the German federal state North Rhine-Westphalia, enabled AHT to deepen the already established cooperation with the operator of the AHT biomass power plant in Kesennuma as well as with the distribution partner KYOWA EXEO in order to determine the marketing strategy for 2020. Further, measures for the grid feed-in approval to the public grid were concluded in order to realise a project which was prepared since a while. Besides the ongoing client acquisition, the management board reconciled the further proceedings related to a new project initiation.



With its strategic local partners for distribution and training, as well as with the operative support of new clients by the operation team of the Kesennuma plant, AHT is excellently positioned and can overcome potential cultural barriers.

Other than the currently intensively discussed electrolysis for hydrogen generation, which requires high energy expenditures, AHT's approach of hydrogen separation from syngas deriving from regrowing feedstock or biogenic residuals is related to lesser expenditures. This topic is now being jointly positioned into the market, besides the already existing market potential of gas, heat and power generation from wood chips. Japan still possesses considerable forest resources, which require a forest management in order to keep them intact. Thinning and deadwood elimination trigger a sheer unexhaustable availability of this feedstock.

As an island nation, Japan possesses only limited space for the disposal of waste, so that waste reduction from sewage and manure sludge, digestates or agricultural residues has a high priority, which AHT is able to address.