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A.H.T. Syngas Technology N.V. ("A.H.T." for short) this week delivered a low-emission burner to a Swiss gas, electricity and heat producing biomass power plant. The power plant itself had also previously been supplied by A.H.T. - as part of the regional innovation campus "Rheinmuehle" ([we reported](#)).

In cooperation with a Swiss university, the emission reduction potential and other process parameters are now being investigated and substantiated by extensive measurements.

The delivered burner was designed for the synthesis gas produced in the power plant. This ensures that even impure feedstock can be thermally utilized in compliance with strict emission limits.

One driver of the project is to meet stricter emission regulations that already require costly exhaust gas treatment from ordinary burners even for untreated wood chips.

"With this combined technology, we offer a low-cost and effective alternative to common firing technology," explains Gero Ferges, CEO of A.H.T..

This concept offers production companies with high process heat requirements the opportunity to convert high-temperature processes to CO<sub>2</sub>-neutral renewable energy from regionally available residual materials - with correspondingly high plant availability for continuous production processes and also for local heating applications.

"A.H.T. is experiencing increased demand in the business of industrial heating, not least against the background of CO<sub>2</sub> taxation - in addition, the conversion is eligible for subsidies," continues Mr. Ferges. "By the independent evaluation of a renowned university, we will be able to show our customers additional savings potential for emissions and operating costs".