

# aht

 **CleanTec Solutions**  
**for Green Energy**





**AHT** operates CleanTec systems to generate green energy. Our portfolio is centered around synthesis gas generation plants that are customized to meet each customer's specific needs.

- **Synthesis gas generation plants,** for generating fuel gas for industry
- **Synthesis gas purification plants,** for processing synthesis gas from waste materials
- **Biomass power plants,** for producing clean, CO<sub>2</sub>-neutral energy (electricity, heat, H<sub>2</sub>)

**With our solutions, we offer energy autonomy to you!**

The form of the required energy is made available directly on site:

- CO<sub>2</sub>-neutral
- Using the company's own valuable or residual materials
- Cost-effective

**AHT** systems guarantee a secure, controllable and base-load capable supply of green energy.

## Who Should Consider an AHT Biomass Power Plant?

Any company that:

- wants to reduce its dependence on natural gas, with an hourly demand of 1000 kW of electrical or 1500 kW of thermal energy
- requires high process temperatures above 800°C
- currently still produces its hot gas requirements with fossil fuels such as lignite
- has direct or indirect access to biogenic residues of at least 5000 tons per annum
- has a demand for high temperature (<400°C) heat



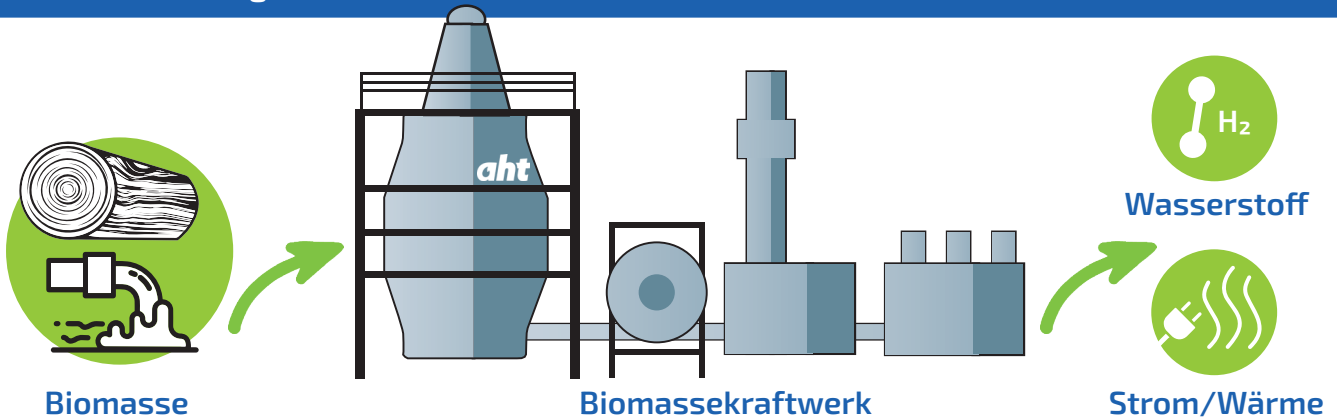
AHT plants treat liquid and solid residues and convert them into energy carriers.



Biomasse-  
Liefervereinbarung

Betrieb der Anlage

Liefervertrag  
zur Abnahme



## Our expertise

- Use existing residues as fuel
- Generate sustainable green energy
- Profitably utilize waste heat
- Reduce energy costs sustainably
- Ensure supply security
- Reduce CO<sub>2</sub> emissions
- Extract ultra-pure valuable materials (i.e: phosphorus, hydrogen, etc)

Our technology enables industrial customers, municipalities, farms, and other climate-conscious companies with high energy demands to shift to green energy sources and reduce their reliance on fossil fuels.

**Let us help you achieve your specific energy goals!**





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