

## ***Hyperthermics Regensburg GmbH***

### **Business Strategies**

Hyperthermics Regensburg GmbH is a biotechnology company that specifically develops applications for the generation of renewable energies and accompanies their integration into industrial process streams. Hyperthermics uses microorganisms from hot springs, so-called "hyperthermophiles" to increase the biogas yield in existing and future biogas plants. Through a biologically active pre-treatment, organic waste is pasteurized before it is fed into a biogas reactor. In the same step, the biological waste is made more accessible for subsequent bio-methanation. Our technology replaces a conventional hygienisation/pasteurization system and at the same time is able to sustainably increase the biogas yield. In addition, the Hyperthermics technology offers the potential to enable the future production of green hydrogen from industrial organic waste independently of electrolysis, to establish a future-oriented energy supply.

### **Core Technologies and Services**

Hyperthermics core technology lies in the screening of customer substrates, the cultivation of hyperthermophilic microorganisms and in the fermentation of industrial organic waste materials. Hyperthermics develops innovative solutions to bring new or difficult substrates into an industrial application. With an international team of dedicated engineers and biologists, Hyperthermics supports its customers in all phases of project planning, from plant construction and process optimization to final plant support.

### **Patent, Licenses, Co-operations**

The technology of Hyperthermics is protected by several patent families, held by the parent company Hyperthermics A/S in Norway.

### **Distribution**

Depending on the region, distribution is carried out by Hyperthermics directly or through contractual partners.