Put waste in, draw energy out

Our core competence: converting waste into energy in a sustainable and efficient manner. We turn different types of waste into power through anaerobic digestion technology. We operate biogas plants worldwide, providing clean energy to industries, municipalities, and households. We also design, construct, and operate digesters and reactors. Our technology is reliable and flexible and is available wherever you are.

All from a single source

Based on 30 years of expertise and state-of-the-art know-how, Thöni Environmental Engineering designs, constructs, and operates anaerobic digestion processes. This makes our expertise unique, allowing us to meet the requirements of a wide range of industries and applications. We provide the total package, from concept to successful commissioning of your biogas plant.

Finely tuned technical components

The core of the Thöni process is the unique plug flow digester – the TTV digester. From an engineering perspective, the efficiency of the TTV digester is based on the optimal mixing of the digestion residue. Key components include the paddle shaft, the mixing elements, and the paddle heads. These components work together to ensure maximum biogas yield and efficient operation. The TTV digester is robust, reliable, and resilient, ensuring minimal maintenance.

Technical expertise for total solutions

Thöni’s engineering does not end with the digester. Thöni also offers innovative technologies for digestate treatment, tailor-made to customer requirements. We can even provide solutions for liquid-free operation. These use compostable digestate residue and top-quality liquid fertiliser for soil, forests, and aquaculture. Thöni’s knowledge does not end with the digester: Thöni is also a specialist when it comes to techniques of treating digestate.

Our team of highly qualified specialists will advise and support you from designing the plant to overseeing the commissioning of our own digester plants. We focus on high-quality planning and service. The expertise and personnel we provide are critical to achieving success.

Partnership with quality

Supplier and technology partner

Thöni provides today’s leading-edge anaerobic digestion technology that is available wherever you are. We are a specialist in and under the development of innovative technologies for biogas production. For local-authority clients, we understand the challenges you face. We offer a range of solutions from design and planning to operation of such plants. We know every detail of our plants and can react quickly and flexibly to your needs.

We are the perfect complement to your project needs.