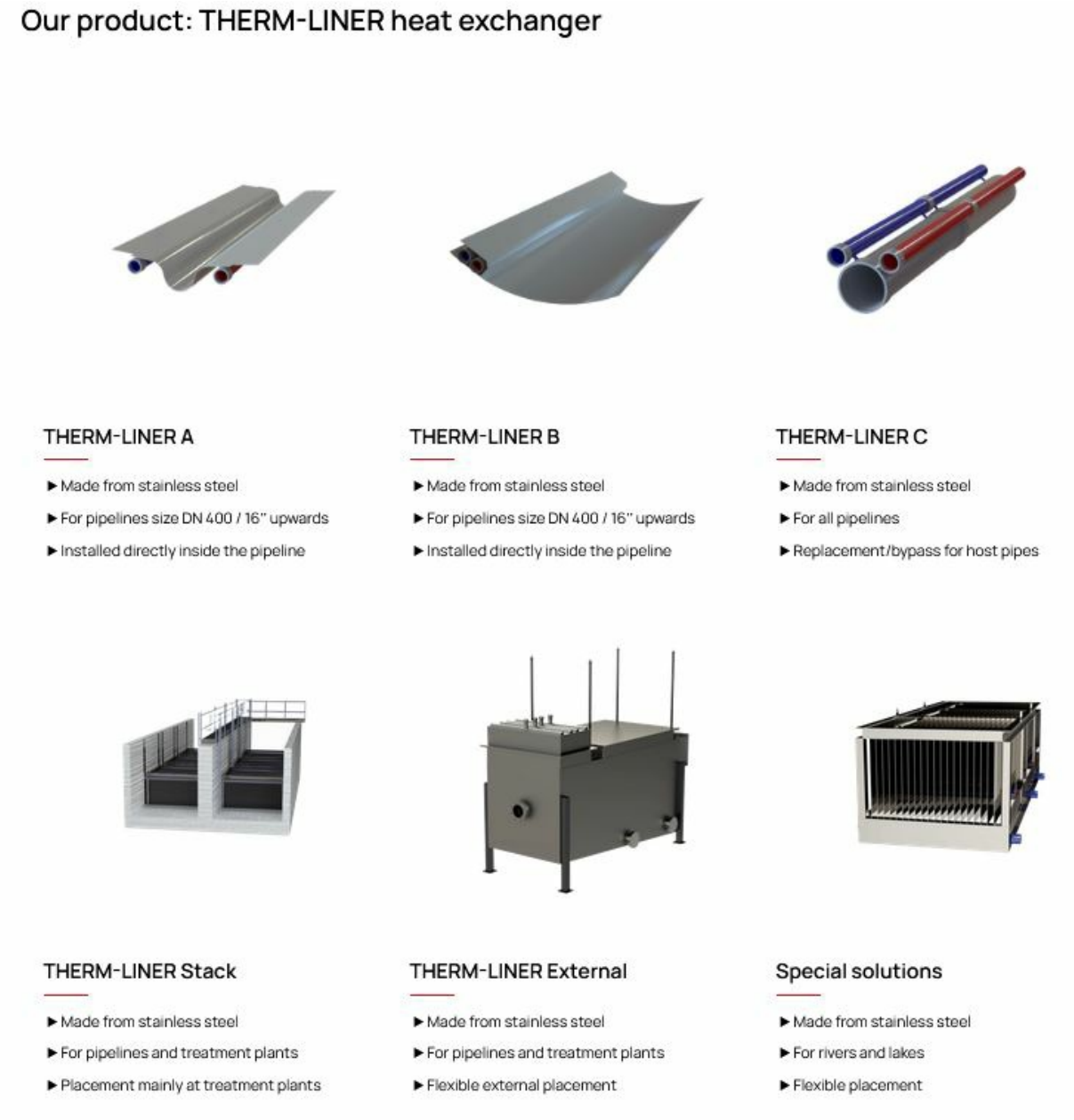
Product factsheet

Systems for wastewater heat recovery and energy from surface water

Hardware product or technological device
Consulting or service offering (e.g. training)



Description

Energy from Wastewater: Our patented THERM-LINER heat-exchanger systems harvest energy from municipal wastewater and energy from surface water. This form of power generation is a climate-friendly way to heat buildings and decarbonize heat grids. We offer solutions throughout the municipal wastewater infrastructure, from treatment plants and gravity pipelines to pressurized wastewater pipelines. As well we are developing projects to harvest energy from surface water, e.g. at hydropower plants and industrial wastewater. The Therm-Liner heat exchanger systems are tailor-made. They are made from 1.4404 stainless steel for long durability. UHRIG's Therm-Liner can be fitted precisely into any sewer without causing any restrictions on operation. The system can be installed in existing sewers via the manhole without civil engineering.

D E V E L O P M E N T

Target audience

Water utilities, energy companies, property developers

Actors, their roles and interactions

Water utilities need to be involved from the beginning to co-design the installation of the system in their infrastructure. Energy service provides that are operating the energy systems will need to engage with water utilities to agree on a contract for installation / operation of the system in the wastewater infrastructure.

Unique selling points

https://energie.uhrig-group.com/en/#produkt-therm-liner

Technical requirements

https://energie.uhrig-group.com/en/faqs/

Publications

https://energie.uhrig-group.com/en/downloads/

URL

https://energie.uhrig-group.com/en/

Technologies applied by the product

- **Heat recovery & storage systems**
- **Low grade heat recovery from wastewater**

Costs

Depending on the scope of the project
Last update: 2025-04-17

Related tags

energy | wastewater | heat | sewer | Energy recovery | Wastewater Treatment