THERMAFLEX ®

DISTRICT HEATING WITH BIOMASS IN LICHTENEGG

Reliable heating for 28 years, and counting

Flexalen pre-insulated pipes

Certificates

GOALS

In 1987, in the rural village of Lichtenegg (Lower Austria), a biomass-based district heating solution became one of the earlier manifests of Flexalen. The heat supply for the local community could be secured with regional agricultural resources such as wood chips. Lichtenegg villagers did not only become independent of fossil fuels, but also benefit from **clean, sustainable heat at much lower cost**.

In order to ensure a safe, and reliable operation of the heating network at minimal energy loss, the distribution system was a crucial aspect of this sustainable energy initiative. **Sustainable networks for sustainable energy** – the living proof!

PROJECT PROCESS

In the first construction phase in 1987, the main line was installed. The connections were prepared through butt-welding, and installation was done by trained welders.

The excavation/drainage was organized by the cooperative.

Meanwhile, with even more conviction from the local community, **18 more homes** have been connected.

RESULTS

The network has now been operating successfully for **28 years** and has expanded since. The last expansion was the connection of 18 houses to the network. The **high flexibility** of the pipes allowed for a **simple and quick installation**. 400m and 18 house connections were installed and connected within 8 days. The biomass-fueled district heating of Lichtenegg sealed by our tried-and-trusted Flexalen system – its excellent, and clearly proven durability being one of the many reasons why it was the best choice.

The high-quality insulation material meant that heat loss could be **sustainably minimized**. Thanks to the extensive program of dimensioning, pre-insulated fittings, and accessories, the assembly of the system could be realized in a short time with only a few connections.

PROJECT INFORMATION

Lichtenegg, Austria

- Duration of **3 years**
- **400 meters** and **18 houses** connected additionally within 8 days
- **3,000 meters** of pre-insulated pipes
- **over 28 years** of successful performance! And counting.

APPLICATIONS

- Biomass District Heating

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