



FØNS COMMUNITY HEATING

The plant in Føns is run by enthusiasm

KEY INFORMATION

Customer

Føns Community Heating,
Føns, Denmark

Time scale

May-October 2015

Length & dimensions

Main pipe: 3 km double pipes series 3
Service connection: 1,300 m isoalupex

SOLUTION

Preinsulated piping system for a wood
chip-based district heating plant

SALES RESPONSIBLE

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Vision about a sustainable village

The vision is to turn the village Føns in the western part of Funen into a sustainable village, said Erik Olsen, the chairman of the work group behind the initiative in 2015.

- However, not all households in the region can make use of renewable energy sources. Some families live in thatched houses, which prevent them from installing solar cells; other families live on grounds that are not suited for geothermal energy. Besides, our proximity to the Gamburg Fjord and the Little Belt sets many restrictions for wind turbines. Still, we could establish joint solar or geothermal heating plants in the optimal sites within the region and then distribute the green energy through the new network.

New heating plant with significant environmental benefits

In October 2015, a brand-new wood chip-fueled heating plant was established, which now provides heating for 43 local households. isoplus has supplied the pipes and made the detailed project design. All ends are gathered in a cooperative with quite an appropriate name of "Føns Community Heating".

The wood chip-fueled plant has pensioned off a large number of the 43 consumers' oil boilers and pellet boilers – this alone gave significant environmental benefits. Over the last four years, the plant has reduced its CO₂ emissions by 280,000 tons. Future plans also include incorporating a renewable energy source to ensure 100 per cent sustainable heating.

The initiative is to a great extent based on the efforts of local enthusiasts and local schemes where volunteers take turns overlooking the plant one week at a time. Føns Community Heating has attracted the interest of many small villages on Zealand and in Jutland; the plant even received visitors from Japan, who came to see how Denmark's smallest district heating plant works.

The isoplus group has more than 30 years' experience within the production of pre-insulated piping systems with low heat loss, delivered in accordance with the norms and demands of the industry. We are present in more than 30 countries around the world and have considerable expertise in meeting international as well as national standards. It is our ambition to be the fastest, most flexible and most reliable partner in the business.

