



FROM OIL VILLAGE TO BIOMASS

KEY INFORMATION

Customer

Lolland Forsyning
(Lolland Public Utility)

Time scale

Aug 2018 - Dec 2019

SOLUTION

District heating system

Length, dimensions, insulation

22 km single and double pipes
DN20-200 in series 2 and 3

Leak detection system

Nordic alarm system, isoalarm 4500

SALES RESPONSIBLE

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The path to sustainability for five small villages on the island of Lolland

Lolland Municipality takes the lead in the fight against climate change, as a new district heating project has begun on West Lolland. The municipal's ambitious climate plan is based on the current energy policy, which includes phasing out oil-fired boilers by 2030 and introducing 100% renewable energy in the electricity and heating area by 2035.

The goal of the project is to convert five oil villages to biomass. The five villages; Nørreballe, Østofte, Bandholm, Reersnæs, and Stokkemærke, are referred to as oil villages, which means that they use oil-fired boilers as their primary heating source. Henceforward, the villages will be supplied by a district heating distribution network with heat delivered from the straw-fired CHP Plant in Saksøbing and from Maribo District Heating Utility's new wood chip boiler plant. The plant in Maribo will supply both the city of Maribo and the villages through a transmission line to Nørreballe. Bandholm and Reersnæs will be supplied through a pump station. The transmission line in Stokkemærke will be connected to the existing network, which today is supplied by a local straw-fired plant.

The solution brings with it a significant reduction in the climate impact, a more economical solution, as well as a more efficient production of heat.

isoplus will do the take-off for the pre-insulated material from the construction drawings, prepare statics and alarm drawings, as well as produce, assemble and deliver the products in the production flow that fits with the project. For the 22-kilometer stretch, the choice has landed on single pipes in series 3 and double pipes in series 2, as this solution ensures the lowest possible heat loss with the most optimal economy.

Collaborators

MSE Enterprise A/S

MOE A/S

Kalundborg Rør- og
Fjernvarmeteknik ApS



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.

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