



PROFITABLE LARGE SCALE SOLAR HEATING IN NORWAY

KEY INFORMATION

Customer

Akershus Energi
Lillestrøm, Norway

Time scale

2011

Length

1.5 km

SOLUTION

District heating piping system

Specially designed pre-insulated piping system for large-scale solar heating

CONTACT

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Large-scale Norwegian solar heating

Large-scale solar heating is an important energy resource for counteracting part of the heavily increasing energy prices and the uncertainties related to the future energy supply. Solar heating is important in Norway as well. Investing in solar energy represents new ways of thinking among the Norwegians. However, energy calculations show that solar collectors could become a profitable investment, also in the Scandinavian countries.

People in Lillestrøm take the climate challenge seriously. Here, approximately 15,000 households are heated by the biggest Norwegian large-scale plant in Akershus EnergyPark. In 2011, isoplus started its cooperation with L&H Rørbyg and SUNMARK in order to provide a complete system of 13,000 m² of solar collectors, which were put up in the fields near Lillestrøm.

A unique assembly

isoplus is the company behind the delivery of joints, alarm system and 1.5 km of continuously produced, pre-designed pipes, which L&H Rørbyg subsequently re-designed as solar collector pipes.

SUNMARK in Svendborg converted the solar collector pipes into a complete assembly and transported them to their final destination at Akershus Energi in Lillestrøm. Here, the solar collectors were connected to the district heating network by means of 190 distributor branches.

The result is a unique assembly, while isoplus also assisted with static calculations, which are an essential prerequisite of guaranteeing the technical lifetime of the solar system.

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.

