

District heating

Norsk Energi is one of Norway's leading district heating consultancies, with extensive experience in all phases of project design and implementation. Our unique interdisciplinary expertise in energy production, environment, certification and project management make us the right partner for all types of district heating projects.

Extensive experience

Norsk Energi's district heating experience dates from the 1970s when construction of such systems in Norway first began. Since that time we have been working on heating stations, distribution networks and heat exchangers, from feasibility studies through to commissioning and follow up of completed plants. Norsk Energi has been heavily involved in district heating related projects in all the major cities in Norway, including Oslo, Bergen, Kristiansand, Stavanger, Hamar, Mo, Tromsø, Porsgrunn, Fredrikstad, in addition to many other smaller installations.

Technical assistance to district heating developers

Norsk Energi can offer a broad range of technical assistance to district heating developers, including:

- Diagnosis and technical evaluation for hand over of district heating plant;
- Differing methods for laying of underground pipework;
- District heating installations in culverts, under waterways and in tunnels;
- Tendering, procurement and contracting for heating sub-stations and district heating pipes, and services laying and services such as pipe laying;
- Tendering, procurement and contracting of equipment such as boilers, chimney stacks, feedwater tanks etc in heating stations;
- Tendering and contracting of management and operating systems communicating between heating stations or heating sub-stations to the central management system;

Demand for efficiency

Clients place great demands for efficient operation of district heating plant and many of our projects involve the design and installation of upgraded operating systems for boilers and heating stations with a view to optimising plant effectiveness and efficiency.

What can Norsk Energi Offer?

- Client specific courses
- Operating assistance/trouble shooting
- Supervision of works
- Feasibility studies on different fuels
- Pre-feasibility and feasibility studies
- Contract preparation
- Economic evaluations
- Environmental studies
- Network simulations
- Project management
- Follow-up
- Design of distribution networks
- Design of heating sub-stations and secondary networks
- Design of heat and cooling stations
- Testing and commissioning
- Heat/cooling plans

For more information:

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Norsk Energi, The Norwegian Association of Energy Users and Suppliers is an independent competence centre within the following areas: ENERGY - ENVIRONMENT - SAFETY. Today, we have 75 employees and 206 member companies from industry and public administration and thus represents a forum for energy producers and consumers. Currently, our members utilize 90% of the energy consumption of Norwegian industry.