

THE MUNICIPALITY OF HALSNÆS



Halsnæs Municipality has had a strong focus on energy for many years. In particular, political attention to energy, monitoring and visualisation play an important role, and MinEnergi2 is an invaluable tool for the North Zealand council.

By actively reducing its carbon emissions, Halsnæs Municipality will contribute to the green transition and set a good example for local residents and businesses. Energy-efficient buildings play an important role in this work, and the council focuses on energy optimisation of buildings and reducing carbon emissions through smarter operations.

MinEnergi2 is actively utilised and is an invaluable tool for recording, monitoring and tracking energy consumption for selected buildings. In addition, operational staff are continuously trained in energy-efficient building management, so everyone can play an important role in making buildings energy-efficient.

Steffen Quistgaard-Nielsen, Energy Consultant, says:

“For me, MinEnergi2 is really an invaluable tool, and it will be in the future of energy management at both the political and operational level. I think EnergiData has a really good development department that listens to our needs and makes it easy to get in touch with their employees, who can help us with issues such as errors and defects.”



Customer profile

HALSNÆS MUNICIPALITY

Sector

State & Municipal

EMS solution

Current:

MinEnergi2

Standard subscription

Ambition:

Infoboard

Customer since

2016

Yearly energy costs

DKK 16 million on electricity, water and heating

Expected annual savings

Minimum DKK 250,000

Buildings

Schools, daycare institutions, elderly care homes, sports centres and office administration

Number of buildings

Building stock: 102 buildings

Number of meters

472 remotely read

196 manual

Alarms in MinEnergi2

103 hourly and daily alarms

Types of energy

District heating, electricity, water, solar panels and natural gas

The challenge

The energy crisis was a call to action: The need to save energy moved to the top of the agenda in 2022, when the energy crisis was raging and high energy prices were the order of the day.

Need to involve the buildings' users: It **becomes** clear that the municipality realises savings when everyone is part of the work to achieve energy-efficient buildings.

Need to know the share of electricity produced from solar cells: An investment in solar cells must be worthwhile, and therefore it must be clear how much of the electricity consumption is covered by solar cell production. This is a solution that is being developed in collaboration with EnergiData's own development department.

The solution

Collect data on energy consumption: Data from MinEnergi2 is used for reports that are forwarded to management for use in energy management. The council also works with a communication strategy to communicate consumption to end users and business leaders.

Important tool for troubleshooting: The cooling analysis is especially important for troubleshooting, but also for dimensioning new systems.

Renewable energy in the form of solar cells: Hørsholm Municipality has many solar panels because the council was part of the 'Klimakommune' (climate council) project to reduce carbon emissions.

A desire to use infoboards: It is important for the council to be able to visualise end-user energy consumption directly in the buildings. The hope is that they can help regulate behaviour and thus involve more people and create interest in energy-efficient buildings.

Multi-level reporting: The energy manager sends regular monthly reports directly to company managers. The report contains consumption data that is compared to the previous month and year. In the long term, the aim is to produce a quarterly report and improve consumption visualisation with infoboards.

Peek user for external suppliers: With a peek user, external suppliers can monitor consumption themselves so the council gets demand-driven service on specific systems.

Results & benefits

Lower carbon emissions in 2021: Halsnæs Municipality reduced carbon emissions by 18% and energy consumption by 8% in its buildings from 2017–2019.

Visualisation of energy consumption paves the way for energy pools: Especially since the 2022 energy crisis, MinEnergi2 has been useful for visualising existing energy consumption and helping energy managers to manage budgets. This has paved the way for funds at management level, so that energy optimisation can continue in the coming years.

Documentation of a profitable investment: If the council is to continue using funds for energy optimisation, it is important to be able to document that the investment pays for itself.

Indispensable support: In case of alarms or zero consumption, customer support will send notification, and this kind of monitoring is of great value, as the energy manager cannot handle this task alone with a large area.