

Lower Carbon Footprint 



VÄSTERÅS STAD



**”YES, IT’S PROFITABLE.
ELGOTHERM OFFERS A SUPERIOR LOW
TEMPERATURE INSULATED PIPE NETWORK
WITH A LOW INSTALLATION COST.”**

**”IT’S THE SIMPLICITY, RELIABILITY, AND
LONGEVITY OF ELGOTHERM THAT WE
APPRECIATE THE MOST.”**

PROJECT INFORMATION

Tasked with two main priorities; lowering the investment cost and reducing heat loss, the energy company invited several manufacturers of district heating pipes to propose solutions:

The overall assessment result :

Elgothem[®] provided the most beneficial results.

After the success of the first ‘community’ phase, four more communities followed. And we are still counting!



SCOPE OF PROJECT

In 2010 the city of Västerås launched the start of a new community, involving 300 low energy residential homes, just east of the city.

This community was to be the first area in Sweden to adopt the new district heating concept of “lower temperature networks” [60/30°]

To achieve a profitable district heating solution, the energy company had to [i] lower the investment cost and [ii] lower the heat losses.

“THE CONTRACTOR THAT INSTALLS THE SEWERAGE AND WATER, CAN ALSO INSTALL THE DISTRICT HEATING AT THE SAME TIME AND IN THE SAME TRENCH.”

**“THE INVESTMENT COST WAS CUT BY A THIRD,
COMPARED TO TRADITIONAL STEEL PRE-INSULATED
PIPES, DUE MAINLY TO A SIMPLIFIED TRENCH AND
INSTALLATION PROCESS.”**



PLANILLUSTRATION



VÄSTERÅS STAD



COST ANALYSIS

The internal cost analysis showed that if the same contractor also installed the district heating, the overall investment cost was lowered.

Furthermore, with a well insulated district heating system the operational costs were also lowered, hence making the project financially viable.

