Smart metering provides the transparency required for efficiency”

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Complexity in District Energy is increasing towards 4G.
How to stay competitive?

Revenue per end user

Margin

Cost
The digital (R)evolution

Data for billing purposes

Improved and efficient utility operations and increased end-user engagement

You cannot optimise what you do not measure!

Creating additional value

Basic Meter-to-Cash
What is a smart meter?

Energy metering for heating and cooling applications

A flow and temperature “sensor” in every connected building

Integrated wired or wireless communication for local and/or wide area communication

Integrated data logger for detailed troubleshooting

Supports features like leakage detection, continuous commissioning, pressure monitoring, peak power limitation etc.
Find the buildings that stresses the network most
Identify faulty or misadjusted substations
Distribution network temperatures (and pressure)
Distribution network load monitoring

Morning peak across season
Advanced heat loss mapping
Engaging with end-users
A building’s true performance

Contribution from the sun
Heating season 2015-2016

Wind impact
Heating season 2015-2016

Comparable properties:
With the following property type:
Residence - Single-family house/detached house (BDR 126)
Built year:
From 1905 to 1978
Area:
From 125 to 140 m²

Insulation capability
Heating season 2015-2016

Your property's insulation capability is above average. Your heat consumption is therefore lower than normal when it is cold outside.
Summing up...

• Low temp district heating is vital to solve technical and commercial challenges within DH

• Data from smart meters can optimise how DH networks are being operated, planned and maintained ... You cannot optimise what you do not measure!

• Let’s make digital district heating happen!
Think forward!

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