Low-temperature District Heating and the use of local heat resources

TEMPO: Digital tool for non-expert users
LOW-TEMP IS PART OF THE ENERGY TRANSITION

1. Customer profile has changed
   • Supply temperature for tap water preparation now prevails
   • Avoidance of legionella is primarily to solve

2. Customer sets individual demands on CO₂, PEF and/or share of renewables

[Diagram showing traditional and new approach]
New heating and cooling solutions using low grade sources of thermal energy

- demonstrate the applicability of low temperature district networks
- Use large shares of residual and renewable energy sources of low-grade heat
- supply space heating and hot water to areas of buildings with high thermal performance standards
- integrate the provision of space cooling as part of the overall solution.
- use of metering and interfaces that allow the end user to play an active role in the system
- providing solutions to eliminate the risk of legionella
DIGITAL TOOL FOR NON-EXPERT USERS

A Digital tool for non-expert users converts data into knowledge

Maschine
(e.g. smart meter, control systems)

Human, expert
(e.g. utilities, system operators)

Human, non-expert
(e.g. end users, end customers)

Data

Information

Knowledge

You are using your energy efficiently

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Should I adjust my contracted heat capacity?
How much heat will I consume until the end of the year?
Do I use my energy efficiently?
CONTACT DETAILS

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