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RELaTED

New Heating and Cooling Solutions Using low grade sources of thermal energy

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About RELaTED PROJECT

Renewable Low Temperature District, RELaTED, will provide an innovative ultra-low temperature concept for thermal district energy networks with lower

costs, fewer heat losses, better energy performance and more extensive use of de-carbonized energy sources than actual district heating concept.

DEMONSTRATIONS

The main aim of RELaTED Ultra-Low Temperature District Heating is to demonstrate the feasibility of the concept, with large share of renewable energy and waste heat sources in European urban environments.

RELaTED concept is being implemented in four different DH networks:

-  BELGRADE (SERBIA), LARGE DH NETWORK
-  VINGE (DENMARK), NEW URBAN DEVELOPMENT
-  TARTU (ESTONIA), BIOMASS BASED DH
-  IURRETA (SPAIN), CORPORATE DH NETWORK

TECHNOLOGIES

RELaTED will integrate present technologies into a new ULT DH concept, at distribution temperatures below commercially operative DH networks today.

- District Heating Substation Technology
- Heat Pump Technology
- Building Integrated Solar Thermal Systems Technology

PARTNERS



PROJECT COORDINATOR:
Roberto Garay. TECNALIA
roberto.garay@tecnalia.com