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.

TECHNOLOGIES

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

DISTRIBUTION TECHNOLOGY

BUILDING INTEGRATED SOLAR THERMAL SYSTEMS TECHNOLOGY

PARTNERS

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BELGRADE (SERBIA), LARGE DH NETWORK
VINDE (DENMARK), NEW URBAN DEVELOPMENT
TARTU (ESTONIA), BIOMASS BASED DH
IURRETA (SPAIN), CORPORATED DH NETWORK

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

Considering the complexities and particularities of each district heating (DH), RELATED concept is being implemented in four different DH networks covering extremely different climatic conditions, construction traditions, urban density, pre-existing district scheme, ownership and energy services contract schemes.