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Who we are



Our business

We are an energy company providing our customers with electricity, heating and cooling as well as smart solutions to improve resource efficiency.



Our core operations

- Hydro and nuclear
- Combined heat and power production
- Circular economy
- Energy-related products and expert services for consumers and businesses.



Our sustainable focus

96% of our electricity production is CO₂ free in the EU, 59% in all operations. 2/3 of our power production is hydro and nuclear.

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Innovative cities are much more than smart digital solutions



Utilising and minimising excess, waste and material streams



Utilisation of data to enable smart buildings and smooth traffic

Energy solutions act as an enabler for effective circular economy and smart sustainable solutions

Optimisation of energy system guarantees the best performance and value



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Transition from conventional to modern energy system

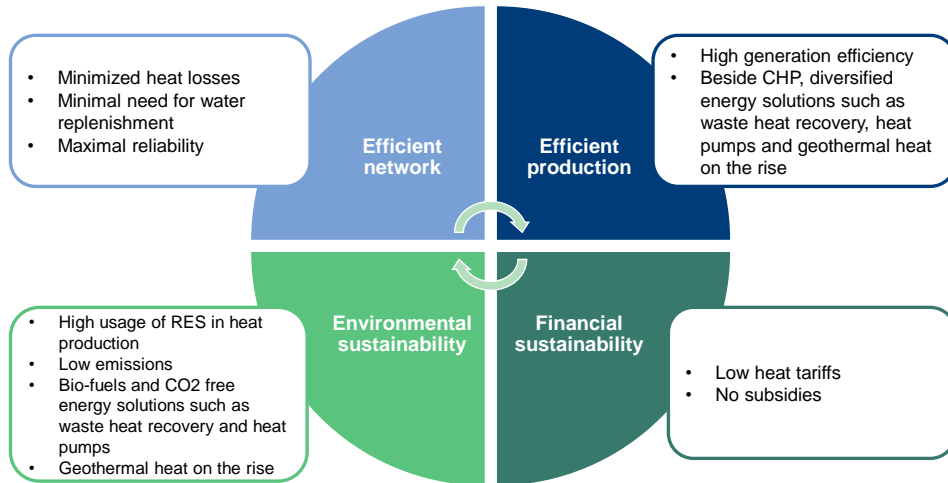


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4 key factors in the Finnish district heating success



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Design, Build and O&M project as part of the Tallaght District Heating Scheme



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Low-carbon heat supply for customers in the Tallaght area of South Dublin

In phase 1, five buildings will be connected to the DH network:

- County Hall offices & library
- Technical University of Dublin Tallaght main campus building
- Belgard Gardens

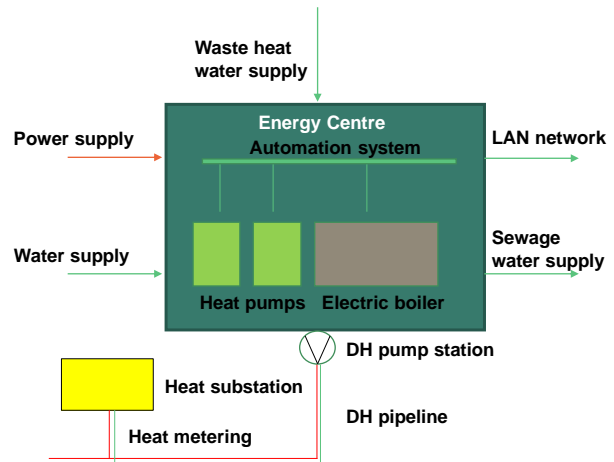
District heating network in figures:

- Annual heat consumption, appr. 7000 MWh
- Utilised waste heat from data centre: 2,1 MW
- Heat supply capacity: 3,0 MW 1st phase
- Electric boiler 3 MW as back-up
- DH network length 1,5 km (construction enable more than 10 MW future heat delivery)

Fortum scope:

- Engineering and construction of Energy center and DH network
- Operation and Maintenance

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Cornerstones of the solution

Low carbon footprint

- Utilisation of waste heat
- Electric boiler as back-up
- Future-proofed for decarbonisation of the Irish energy market

Robust, proven engineering applied to DH systems

- Decades of practical experience

High security of supply

- High availability and reliability to deliver heat all around the year
- Equipment redundancy and flexibility

Incremental growth

- Technologies and solutions enable DH network expansion and increase of heat delivery in future

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Novel energy solutions generate valuable benefits



Environmental friendliness

- Clean energy solutions into part of an innovative city

Financial gains

- Optimised investments and avoiding investments

Availability and energy efficiency

- Energy system's optimisation as a whole

Stakeholder support

- Pleased inhabitants and local community

New business models

- Novel energy solutions are needed for smart digital solutions

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Thank You!

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