


STORM technology for DHC

Project title: H2020	Self-organising Thermal Operational Resource Management (STORM)
Project coordinator:	VITO, BE
Summary 	<p>Develop, demonstrate and deploy an advanced self-learning controller for district heating and cooling (DHC) networks.</p> <p>The controller will be demonstrated in 2 sites Mijnwater at Heerlen (The Netherlands) and Växjö (Sweden).</p>
Other information	<p>Expected outcomes:</p> <ul style="list-style-type: none"> • Developing an innovative controller for district heating & cooling (DHC) networks • Balancing supply and demand in a cluster of heat/cold producers and consumers • Integrating multiple efficient generation sources (renewable energy sources, waste heat and storage systems) • Including three control strategies in the controller (peak shaving, market interaction, and cell balancing). • Present generic applicability by demonstration on two demo-sites • Developing innovative business models needed for the large-scale roll-out of the controller at reduced costs • Designing a scalable and performing self-learning control approach requiring limited external experts • Increasing awareness on the need to control DHC networks in a smart way
EU contribution:	EUR 1.972.126
Project start:	April 2015
Project end:	September 2018
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Further information:	<p>http://storm-dhc.eu , http://cordis.europa.eu/project/rcn/194614_en.html Twitter: @sustainplaces</p> <p>Project reference: 649743, funded under: H2020-EU.3.3.1.</p>