



Self-organising Thermal Operational Resource Management

Wyniki

Informacje na temat projektu

STORM

Identyfikator umowy o grant: 649743

[Strona internetowa projektu](#)

DOI

[10.3030/649743](https://doi.org/10.3030/649743)

Projekt został zamknięty

Data podpisania przez KE

5 Lutego 2015

Data rozpoczęcia

1 Marca 2015

Data zakończenia

31 Marca 2019

Finansowanie w ramach

SOCIETAL CHALLENGES - Secure, clean and efficient energy

Koszt całkowity

€ 1 972 125,94

Wkład UE

€ 1 972 125,94

Koordynowany przez

VLAAMSE INSTELLING VOOR
TECHNOLOGISCH ONDERZOEK
N.V.



Belgium

CORDIS oferuje możliwość skorzystania z odnośników do publicznie dostępnych publikacji i rezultatów projektów realizowanych w ramach programów ramowych HORYZONT.

Odnośniki do rezultatów i publikacji związanych z poszczególnymi projektami 7PR, a także odnośniki do niektórych konkretnych kategorii wyników, takich jak zbiory danych i oprogramowanie, są dynamicznie pobierane z systemu [OpenAIRE](#) .

Rezultaty

Documents, reports (7)

[STORM controller evaluation report](#)

Controller prototype evaluation report

[Report on STORM international and local dissemination activities](#)

The report will present the dissemination activities implemented by the consortium to maximise the STORM impact. The final version will include the proceedings of the closing event and projects seminar and workshops. All related documentation will be annexed to the report.

[Report on education modules for universities of applied science in Europe](#)

The report will describe the educational modules and activities performed by the STORM consortium

[Final report on the performance of the STORM controller](#)

A final report describing the performance of the STORM controller with respect to the calls objectives, by comparing the operation of the STORM-controller to the reference data. In this report also the lessons learnt from the testing period are described and recommendations will be made for further development of the STORM-controller.

[Report on training courses for professionals \(proceedings of 5 training seminars\)](#)

The report will present proceedings of 5 training seminars delivered in 5 places in Europe with objectives, participants, key results and outcomes.

[Report on classification of DHC networks and control strategies](#)

This report will contain a detailed description of the different DHC network types and their related control strategies. The results will be used as an input of the replication tasks in WP6

[Economic assessment of business models for DHC networks operators](#)

This report will contain a detailed economic (cost/benefit) analysis of the innovative business models identified for DHC networks companies and consumers. In this report a connection will be made to the energy saving potential and implementation of sustainable sources for the grid coming forwards from the business models. This report will be used as an input for the quantitative and qualitative analysis of the use cases in WP5 for other districts and countries ensuring a widely replicable controller.

Websites, patent fillings, videos etc. (1)

[Project website](#) 

Implementation of the project website

Demonstrators, pilots, prototypes (1)

[Controller framework compatibility report](#) 

Report describing communication protocols and system compatibility of the controller framework

Publikacje

Peer reviewed articles (4)

[Operational thermal load forecasting in district heating networks using machine learning and expert advice](#) 

Autorzy: Davy Geysen, Oscar De Somer, Christian Johansson, Jens Brage, Dirk Vanhoudt

Opublikowane w: Energy and Buildings, Numer 162, 2018, Strona(/y) 144-153, ISSN 0378-7788

Wydawca: Elsevier BV

DOI: 10.1016/j.enbuild.2017.12.042

[Thermal load forecasting in district heating networks using deep learning and advanced feature selection methods](#) 

Autorzy: Gowri Suryanarayana, Jesus Lago, Davy Geysen, Piotr Aleksiejuk, Christian Johansson

Opublikowane w: Energy, Numer 157, 2018, Strona(/y) 141-149, ISSN 0360-5442

Wydawca: Pergamon Press Ltd.

DOI: 10.1016/j.energy.2018.05.111

[Operational Demand Forecasting In District Heating Systems Using Ensembles Of Online Machine Learning Algorithms](#) 

Autorzy: Christian Johansson, Markus Bergkvist, Davy Geysen, Oscar De Somer, Niklas Lavesson, Dirk Vanhoudt

Opublikowane w: Energy Procedia, Numer 116, 2017, Strona(/y) 208-216, ISSN 1876-6102

Wydawca: Elsevier BV

DOI: 10.1016/j.egypro.2017.05.068

[Status of the Horizon 2020 Storm Project](#) 

Autorzy: Dirk Vanhoudt, Bert Claessens, Johan Desmedt, Christian Johansson

Opublikowane w: Energy Procedia, Numer 116, 2017, Strona(/y) 170-179, ISSN 1876-6102

Wydawca: Elsevier

DOI: 10.1016/j.egypro.2017.05.065

Prawa własności intelektualnej

Patent (2)

HIERARCHICAL IMPLICIT CONTROLLER FOR SHIELDED SYSTEM IN A GRID

Numer wniosku/publikacji: EP 16207020

Data: 2016-12-27

Wnioskodawca/wnioskodawcy: VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V.

HIERARCHICAL IMPLICIT CONTROLLER FOR SHIELDED SYSTEM IN A GRID

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Wnioskodawca/wnioskodawcy: NODAIS AB

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Permalink: <https://cordis.europa.eu/project/id/649743/results/pl>

European Union, 2025