

International SYNERGY project progresses – Leveraging big data for the electricity value chain

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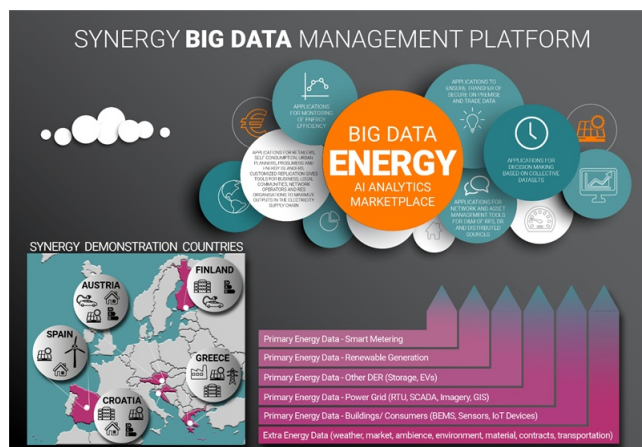
International SYNERGY project progresses – Leveraging big data for the electricity value chain

Caverion is taking part in the SYNERGY project, funded by the European Union's Horizon 2020 Research and Innovation Program. The project aims at leveraging big data of the electricity value framework for a smarter electricity value chain. By developing sharing and trading models for energy data, the project enables shifting individual decision-making to a collective intelligence level.



The European building and electricity sectors are undergoing major fundamental changes. The roll-out of smart technology, together with the development of platform technologies, are providing opportunities for creating new energy management strategies and business models. There is a recognised need for end-to-end coordination between electricity sector stakeholders.

Project SYNERGY comprises a total of 24 partners from nine European countries, with a total budget of 12,7 million euros. The project introduces a novel framework and big data architecture platform for primary and secondary data related to the electricity value chain. Furthermore, it introduces an AI analytics marketplace for added value analytic applications and innovative energy services. By creating a transparent parallel-economy that rewards data producers, the project hopes to increase amounts and granularity of shared data.



Caverion's role in project SYNERGY is primarily as a demo partner. Together with VTT (Technical Research Centre of Finland) and Forum Virium Helsinki (City of Helsinki innovation company), Caverion will develop and implement models for evidence-based renovation support and holistic real-time facility energy management. Furthering e.g. optimisation of building asset predictive maintenance. The project lasts approximately 3,5 years.

"The energy value chain is undergoing major disruption and will play a significant part in creating a smart and sustainable future for European citizens. By identifying synergies and strengthening collaboration with other stakeholders in the building and energy value chain, it is possible to create pioneering business models and new stakeholder value. We at Caverion strongly believe in cooperative ecosystems for innovative value creation," says **Tapio Lajunen**, Head of Technology at Caverion Finland.

Find out about the opportunities by signing up for the newsletter here: <https://www.synergymh2020.eu/newsletter/>

Project partners include: ETRA, Geco Global, Caverion, CIRCE, Ponikve eko otok Krk, Forum Virium Helsinki, Haustechnik Güssing, HEDNO, Suite5, UBITECH, The European Centre for Renewable Energy Güssing, Elin Verd, ICCS, Maggioli S.p.A, Grupo Cobra, Končar Ket, Energy Service Ltd, KnowledgeBiz, Cuerva, Urbener, Fysiko Aerio, IPTO, The University of Cyprus, VTT

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For more information on the project, please contact: Ida Johansson, SYNERGY Project Manager, Caverion Finland, tel. +358 50 448 1381, ida.johansson@caverion.com

Our life is shaped by the environments we build around us. By making built environments smart and sustainable, Caverion enables performance and people's well-being. Customers can trust our expert guidance during the entire life cycle of their buildings, infrastructure or industrial sites and processes: from design & build to projects, technical and industrial maintenance, facility management as well as advisory services. Our customers are supported by over 16,000 professionals in 11 countries in Northern, Central and Eastern Europe. Our revenue in 2019 was approximately EUR 2.1 billion. Caverion's shares are listed on Nasdaq Helsinki.

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