



## Project Newsletter #2

The project GreenIndustrialAreas empowers public authorities to increase the share of smart and climate-neutral industrial areas and co-develop a transnational certification standard. The project is funded by the Interreg Baltic Sea Region programme of the European Union.



### Join our next Thematic Seminar (online)

Mark your agenda on September 14th, 2023, to join our next online seminar. Our focus will be on technologies to enhance energy efficiency and smart energy management. The event is hosted by the City of Jyväskylä and takes place between 1 p.m. and 3 p.m. CET (between 2 p.m. and 4 p.m. EET).

The webinar focuses on Energy Efficiency and Smart Energy Management on industrial areas. We have three excellent speakers talking about technologies and good practise examples on making industry more sustainable:

- 1) Ramboll, Jouni Kivirinne: "Over the challenges – requirements for energy efficient business parks and industrial areas"
- 2) Alva, Janne Sievälä: "Using data to increase energy efficiency"
- 3) Vibeco, Jori Valtakari: "Industrial demand response and virtual power plants"

Please register online to receive the link to join our webinar.

[Registration link](#)



## Lithuania pushes digital Twins technology for to advance industrial energy efficiency

The industry is experiencing a noticeable increase in the adoption of digital technologies to improve energy efficiency. One such technology is the concept of Digital Twins (DT). A DT is a virtual replica of a machine, process, or system that encompasses all the relevant data regarding production processes, equipment, energy consumption, and output volumes. This data is continuously analyzed in real-time, enabling automatic adjustments to maximize process efficiency. DT technology has a broad range of applications, including various engineering systems (e.g., refrigeration, ventilation, compressed air) and installations (e.g., bio-fuel or gas boilers). The utilization of DT can result in energy savings of up to 10%.

In Lithuania, DT is gaining momentum, and local companies are increasingly recognizing the energy-saving benefits it offers. Energy Advice, a prominent DT technology advocate in the country, possesses valuable insights into the potential of this technology. Currently, it is evident that digital twins can optimize industrial processes and enhance energy efficiency. However, the possibility of interactions between different digital twins may lead industrial players to explore symbiotic opportunities. Only time will tell what the future holds for digital twins.

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### Meet our partners: Sustainable Business Hub (Sweden)



Sustainable Business Hub is a cluster for smart sustainable cities. A neutral platform that brings together private enterprises, academia and public organisations with the aim of stimulating green innovation and business development. Sustainable Business Hub is focusing on and has a deep competence within especially four different areas; Sustainable Energy, Sustainable Construction, Circular Resource Management and Climate Adaptation.

Sustainable Business Hub's role within the project is to elaborate a



brief methodology for the implementation of peer reviews and coordinate an awareness and publicity campaign to communicate the added value of industrial areas that have been accredited for their efforts towards climate-neutrality and smart energy management. The project team consists of Andreas Englöv Ek, CFO and Astrid Hackl, Business Developer (see photos). For more information please visit the Sustainable Business Hub's [website](#).

### What's next?

Project partners will meet on September 26th and 27th, 2023, in Białystok (Poland) to work together on compendia providing hands-on information about energy transition technologies suitable for businesses and industrial areas. Furthermore, a certification guideline for "green industrial areas" will be elaborated for testing in next year's pilot phase.

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