

Interreg

Öresund-Kattegat-Skagerrak
European Regional Development Fund



EUROPEAN UNION

Smart Cities Accelerator

Open Innovation Call: Exploring power peak shaving – case: Sege Park

Open Innovation Day: 5 December 2019

Venue: Studio, Malmö, Sweden



Aim of the Open Innovation Call

- In cities or neighbourhoods with inflexible or insufficient power grid and lack of enough locally produced energy sources, power peaks can have unwanted effects for people living and companies operating there. To be able to have sustainable growth in Malmö and the surrounding regions, it is of high importance that new city districts are planned to meet challenges of today and tomorrow
- **The aim of this call was to identify various ways to shave power peaks at a city district level**



Outcome of the Open Innovation Call (1/3)

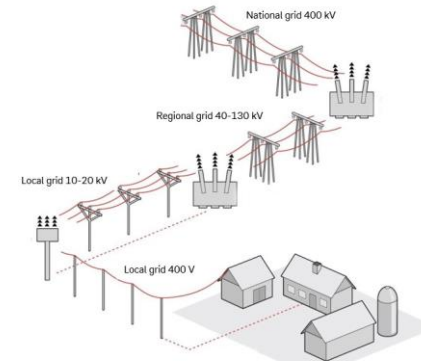
The challenge is highly relevant for the development of sustainable neighbourhoods and must be solved by implementing a mix of different solutions. That mixture was represented in the different ideas that was submitted by teams that came from different parts of Europe.

- The eight incoming solutions stretched from changing behaviours and installing devices in apartments, to full concepts for the area that combined on-site investments such as batteries with digital trading solutions
- Four contestants were invited to come to Malmö for the Open Innovation Day the 5th of December 2019



Outcome of the Open Innovation Call (2/3)

- All four finalists gave valuable insights and inspiration for the development in Sege Park, and might all be of interest for the continuous dialog, even if they were not selected as winners
- *WE Power* gave inspiration to how a community can be a part of making an urban area more resilient by a change of behaviour, and how that community can be rewarded by more social investments in that same area
- *Tempiro* is a really smart solution that shows that a rather small investment in a building could make a difference in the power demand at specific times and allow some flexibility. A pilot for Tempiro's product is set up in Malmö right now – that will be interesting to follow!
- Creating Local Energy Systems within an urban area is an interesting take for the future, which two ideas focused on



Outcome of the Open Innovation Call (3/3)

- The winning idea combined the Local Energy System with creating a business case for entering a flexibility market and was submitted by Power2U
- The concept touches on an area where E.ON are developing its own solutions. Even so, an interesting dialogue around future possibilities will now start between E.ON and Power2U
- The idea of the prize was to offer development possibilities by connecting the winner to E.ON Agile, which is an accelerator for innovative ideas and start-ups



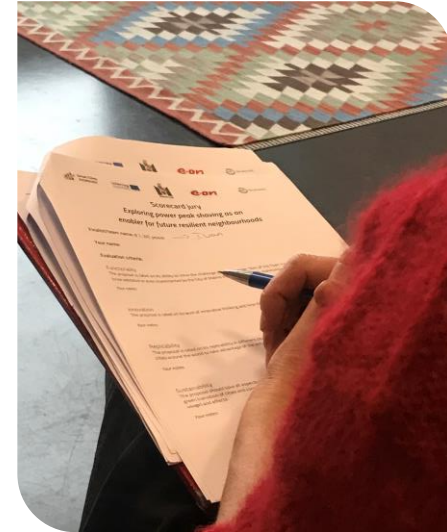
Organizing partners

- [Smart Cities Accelerator](#)
- [City of Malmö](#)
- [E.ON](#)
- [EIT Climate-KIC](#)
- [Link](#) to call website



Jury

- **Per-Arne Nilsson**, Senior Advisor at Environment Department, City of Malmö
- **John Backe**, Head of Business Development, E.ON Energidistribution AB
- **Mattias Örtenvik**, Head of Sustainable City Development, E.ON Energilösningar AB
- **Silvia Haslinger Olsson**, Co-founder, Nordic Urban Resilience Institute
- **Anne Marie Damgaard**, Project Lead, Smart Cities Accelerator



Finalists (1/2)

- **FlexPower**; Addis Moiteaux and Kaveh Paridari, Power2U AB, Sweden (**winner**)
 - Find presentation [here](#)
 - Contact: <https://www.power2u.se/>
- **Sege Park peak shaving by batteries**; Christoph Riekert, Germany
 - Find presentation [here](#)
 - Contact: chris_riekert@hotmail.com



Finalists (2/2)

- ***WE Power***, Ivan Kalc, EN-EF concept, Serbia
 - Find presentation [here](#)
 - Contact: <http://www.en-ef-concept.com/>, ivan@en-ef-concept.com
- ***Tempiro Peak Load Shaving with Smart Fuses***, Magnus Lindström, Tempiro, Sweden
 - Find presentation [here](#)
 - Contact: <https://tempiro.com/>



5 December 2019
Studio, Malmö

And the winner is...
Power2U



See [video](#)
from Open
Innovation Day



Pictures from Open Innovation Day

Open Innovation

Do you want to know more about Open Innovation?

Check out the white paper with many cases:

[Opening-up the Sustainable City –
Towards an Open Innovation Framework for Future Low Carbon Cities](#)



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Climate-KIC



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