



STORY

Added value of storage in distribution systems

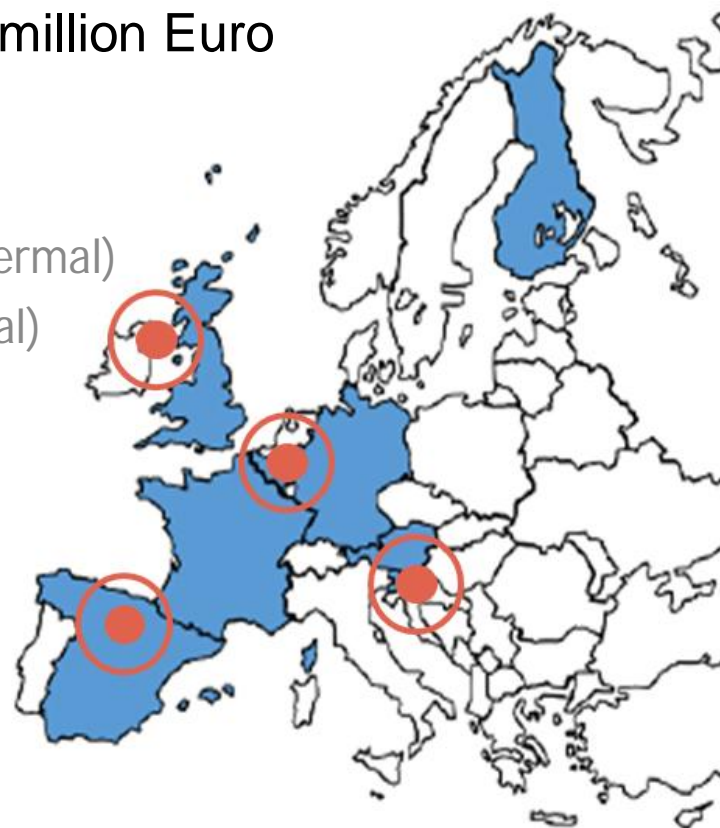
Added value of clean energy storage in distribution systems Workshop in SP19, Mia Ala-Juusela, Cagliari

25.07.2019

General project information



- ***The main objective is to show the added value storage can bring for a flexible, secure and sustainable energy system.***
- Duration: 5/2015 to 4/2020; Budget: 15,8 million Euro
- 18 partners from 8 countries
- Six demos in four countries:
 - Different storage technologies (electrical & thermal)
 - Different types of areas (residential & industrial)
 - Different sizes of storages and areas



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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 646426

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Project partners – 18 from 8 countries



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Methodology



- **Demonstrations**
 - Control strategies & algorithms
 - Interoperability & ICT solutions
 - Data collected in common platform
 - Evaluated with KPIs (economic, environmental, social)
- **Large scale simulations**
- **Business model development**
- **Policy and regulatory recommendations**
- **Involvement of full value chain in AB and SB**

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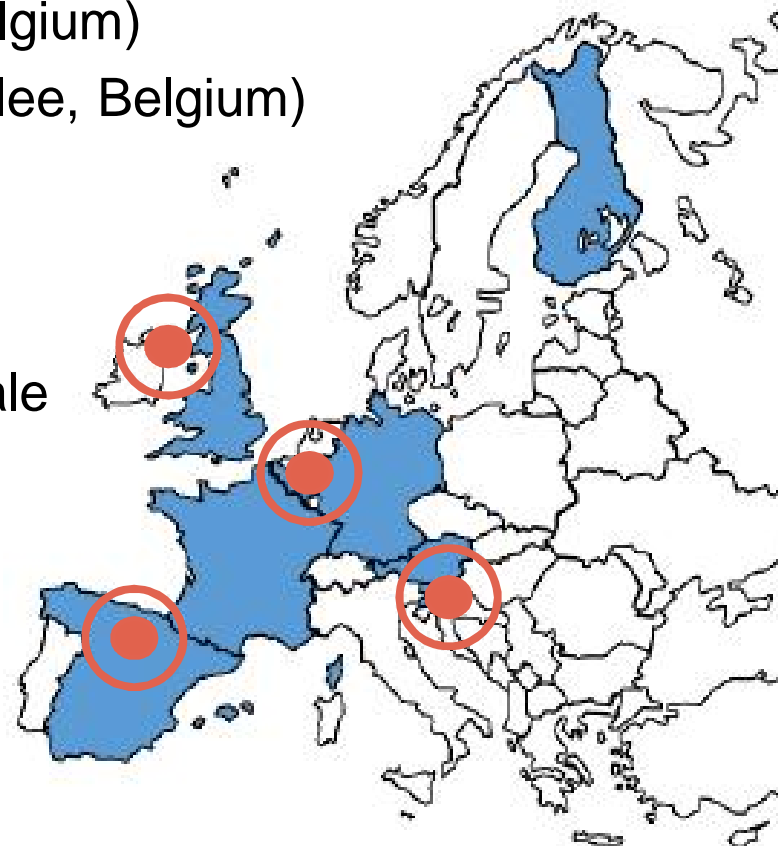
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Project demonstrations

Overview

1. Residential buildings (Oud-Heverlee, Belgium)
2. Roll out of a neighbourhood (Oud-Heverlee, Belgium)
3. Storage in factory (Navarra, Spain)
4. Storage in residential district (Lecale, Northern Ireland)
5. Flexibility and robustness of medium scale storage unit in:
 1. Industrial area (Kranj, Slovenia)
 2. Residential area (Suha, Slovenia)
6. Roll out of private multi-energy grid in industrial area (Olen, Belgium)



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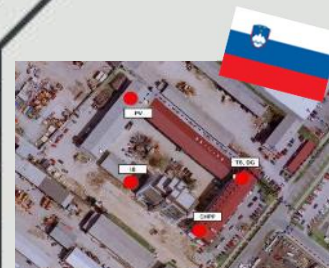
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Project demonstrations



The demonstration cases of STORY

		BE: Residential buildings	BE: Neighborhood multi-energy grid	ES: Storage in a factory	UK: Storage in a residential district	SI: Large scale storage unit	BE: Private multi-energy grid
Type of storage	Thermal storage						
	Battery						
	Compressed air storage						
	Combined heat and power						
	Vacuum solar collectors						
Technology	Heat pump						
	PV						
	Wind power						
	Tidal power						
	Biogas						
User sector	Fuel cell						
	Residential						
	Industrial						
Demo aims	Peak shifting and shaving						
	Load and generation control						
	Grid support						
	Scheduling of flexibility						



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More information about STORY



Visit us: horizon2020-story.eu

The screenshot shows the STORY website homepage. At the top, there are social media icons for Facebook, Twitter, and YouTube on the left, the STORY logo in the center, and a 'LOG IN' button with a user icon on the right. Below the header is a navigation menu with links: HOME (highlighted in red), A STORY TO TELL, PROJECT INFO, NEWS & EVENTS, BRIDGE, RESULTS, and CONTACT. The main content area features a large orange headline 'A vision of our future energy system' on the left. In the center is a stylized illustration of two wind turbines, one larger than the other, within a circular frame. On the right, there is a 'LATEST TWEETS' section with a sub-header '@H2020STORY' and a tweet dated '03 May' stating that the 7th BRIDGE Newsletter is now available and announcing the publication of the seventh newsletter in April 2019. It includes a link to learn more about the news of projects participating in BRIDGE and a link to download it.

A vision of our future energy system

LATEST NEWS

LATEST TWEETS

@H2020STORY

03 May

7th BRIDGE Newsletter is now available ! The BRIDGE support team is happy to announce the publication of its seventh newsletter in April 2019. To learn more about the news of projects participating in BRIDGE download it [HERE](#). [@H2020STORY h2020-](#)

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Impact creation - example

Presidents at visit at STORY site in Slovenia



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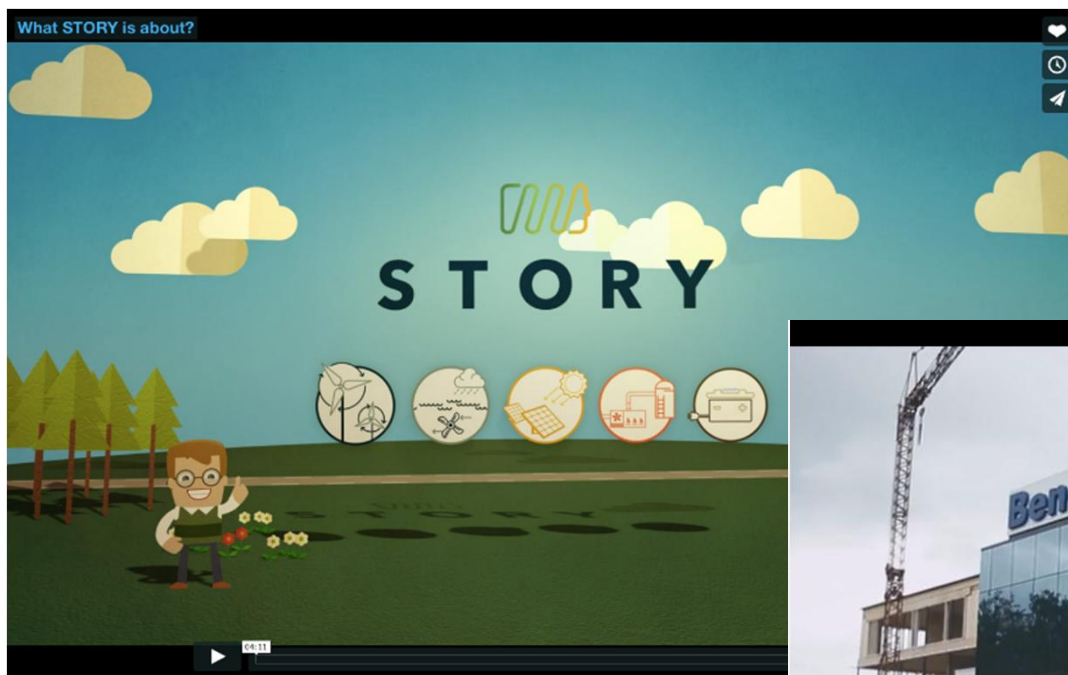
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More information about STORY



Watch our movies:



1) What STORY is about

2) Case study Beneens



....and more on the website.

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THANK YOU!



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