



12/15/2017

Newsletter #2

What happened since Halloween ?

Newsletter's opening: Some words from Richard Vidlička, Chairman of the Board of Directors and CEO of ČEZ Distribuce

Community Meeting n° 1: The first InterFlex Community Meeting took place in Eindhoven in The Netherlands on the 29th of November 2017. We managed to gather a wide variety of stakeholders from different horizons to discuss about InterFlex and different round tables.

Islanding: A small village on the southeastern coast of Sweden becomes a front runner in the upcoming energy transition, where 140 households will have the ability to disconnect from the main grid.

Showroom in Nice: In Nice, the show room of Nice Smart Valley is going to open soon! Thanks to the latest virtual reality and augmented reality technologies, you will be able to immerse yourself in the demonstrator's operation.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n°731289

RICHARD VIDLIČKA

InterFlex gives us an opportunity to jointly address the challenges of the changing energy environment especially the need to actively cooperate on flexibility management, congestion management and balancing of distribution network.

Reaching now the end of the first year of the project, it is a good time to look back at the work carried out so far by the project consortium.

We could see a consortium working together to build solid foundation to make the real-world demonstrations possible in the coming months of the project. In my perspective, representing company responsible for Technical coordination of the project, I would sum up few tangible results of the project during the year one. Let me highlight activities related to planning of activities of the six demonstration projects, detail descriptions of their use cases and KPIs and preparation or implementation of interoperability testing. All these results give us confidence the project is on the right track to allow demonstrations that aim to make local energy systems more effective and more reliable.

Ladies, gentleman, enjoy reading of InterFlex newsletter that summarizes the key project activities of the last quarter of 2017.

Richard Vidlička, Chairman of the Board of Directors and Chief Executive Officer, ČEZ Distribuce



Community Meeting #1

The first InterFlex Community Meeting took place in Eindhoven in The Netherlands on the 29th of November 2017. The event gathered a wide variety of stakeholders from different horizons: municipalities, regulators, energy industry associations, DSOs and aggregators, researchers, project managers, consultants and other smart grids experts.

Alfredo Verboom from the city of Eindhoven and Jan Peters from Enexis placed InterFlex in the global context of the energy transition, highlighting the city's dynamic approach to foster the transformation. Thanks to the involvement of all speakers and attendees the Community Meeting gave rise to numerous and very interesting discussions on the different use cases and challenges that InterFlex is facing.



The following topics were addressed through the various presentations and panel sessions:

- InterFlex innovation streams
- New services for and by local authorities
- Local flexibility market as part of the Dutch demonstrator
- Flexibility business models and their associated regulatory frameworks.

As Christian Buchel underlined it, our common investment in projects like InterFlex will help Europe to take a leading role in the world of smart grids and cities.

The slides which were presented during the day are available upon request.



A small village on the southeastern coast of Sweden becomes a front runner in the upcoming energy transition, where 140 households will have the ability to disconnect from the main grid.

Walking around in Simris, a village with around 200 people, you can barely tell that this community holds the key role in a research project with a lot of media attention across Sweden. When asking the villagers it shines through.

“It feels very positive and innovative. I can’t condone anything that destroys the environment and doesn’t promote sustainability for our future generations” says Karin Lefvert, a retiree who’s been living in Simris for ten years with her husband Lars Göran. “And actually, I think it looks like art installations in nature” she says and points to the wind turbine.

The village will be supplied by 100% renewable generation, produced mainly by the wind turbine Karin mentioned, supported by solar power and in the case of no sun and no wind, a backup generator running on biodiesel. To maintain the grid stability the system is also equipped with a battery and advanced steering equipment connecting it all. How much is produced and consumed is easily accessible in real time online.

To further support the grid to operate on only wind and solar power, customers have the opportunity to participate by connecting their heat pumps, water heaters and residential batteries. By adding flexible loads the system will be better equipped to deal with the fluctuations of intermittent power generation. The system will automatically manage the home units without reducing the customer comfort and already 20 something households have signed up to participate.

“We are planning to install PV on the roof and put a battery in the basement, to be ready in the spring. Currently we are heating directly with electricity so this is both cheaper and better for the environment” finishes Karin.



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Showroom NICE SMART VALLEY

The showroom of the French demonstrator NICE SMART VALLEY will be a new generation space to promote the smart grid project.

By employing the latest virtual reality and augmented reality technologies, the visitors can immerse themselves in the demonstrator's operation, discover the latest technologies and visualize the data platforms in the heart of the smart city. This new immersion site fostering pedagogy through action and immersion will welcome employees of partner companies, individuals, academics and smart-grid professionals from all over the world from early 2018 onwards. In this sense, the showroom aims to facilitate customer recruitment for EDF, ENGIE and GRDF.

The official inauguration ceremony will take place on the 20th of December 2017.



Regional Control Agency in virtual reality



Holographic augmented reality

Would like to come over and have a look?

Please, contact **Thomas Drizard** (thomas.drizard@enedis.fr)

Thank you very much for your interest in our project!

This is the end of our 2nd Newsletter!

Next one in two months!

Do not forget to visit our website:

<http://interflex-h2020.com/>

And to stay tuned by following us on twitter:

https://twitter.com/InterFlex_H2020



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