

NEARLY 200 CUSTOMERS INVOLVED IN THE FLEXIBILITY MARKET OF NICE SMART VALLEY

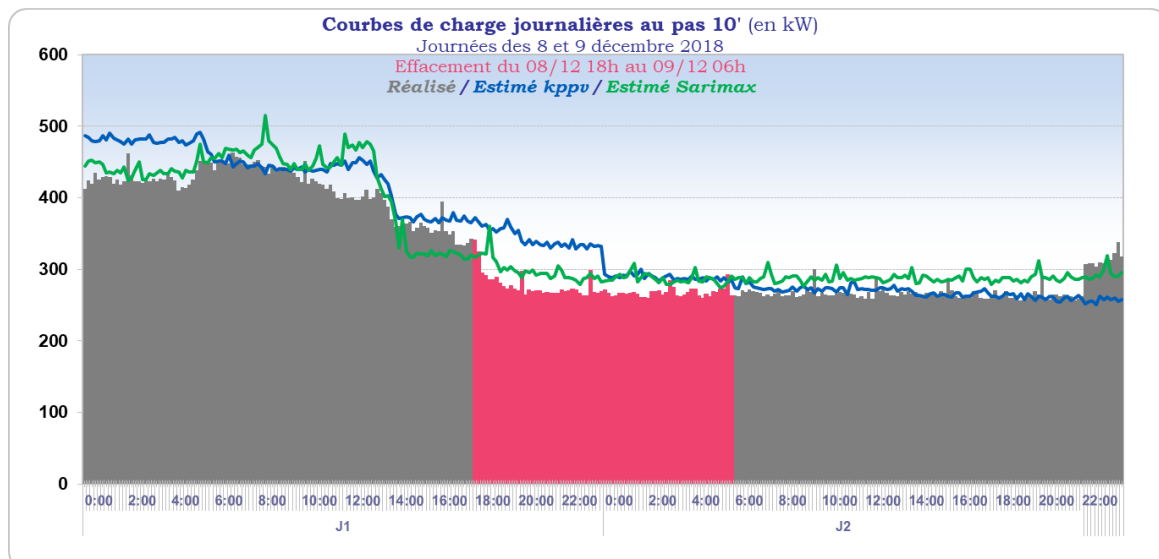
In the frame of the French Demonstrator of InterFlex - Nice Smart Valley - the project partners are experimenting the activation of flexibilities upon DSO's demand. An average of two activation requests per week are sent from the DSO (ENEDIS) to the aggregators (EDF and ENGIE) since last summer.

Thanks to ongoing recruitment efforts - and innovation - of EDF, ENGIE (aggregators) and GRDF (gas DSO), there are now nearly 200 customers involved in the demonstration, spread over 7 cities covered by 4 primary substations.

The growing amount of flexibility capacity enables the consortium to improve the interest of the experiment learnings, namely:

- Motivation and involvement sources depending on the type of customers
- The flexibility effect to alleviate local grid constraints
- Test of activation control methods of the DSO and of the aggregators
- Comparison of the behaviour of a large panel of customers and technologies :
 - B2C/B2B (industrial and services)
 - Steered flexibility as well as behaviour-based flexibility
 - Dual technologies promoted by GRDF (from a few kW hybrid heater to a 70kW CHP)

The recruitment is about to end, but is still to be enlarged especially with administrative buildings, a battery storage system of 33kW shared between ENEDIS and ENGIE, and an electric vehicle with Vehicle to Building capabilities developed by EDF.



Example of the comparison between actual load curve (in kW) of an industrial B2B customer – with a load decrease request between 6pm and 6 am – and DSO estimated reference load curve with two different methods