January 2017

CLEANHORIZON
Detect, analyze, monetize

50 MW_p PV + storage tender in the French Islands

New CRE ZNI tender market entry report

Report outline:

1. Detailed storage rules of the newly issued tender

2. **Storage strategies and recommendations by Clean Horizon based on actual simulations**

3. Appendix: data and players from previous tenders

Report price (sales tax not included):

- Standard price 1500 €
- **Early bird (order until Jan 15th) 1000 €**

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Clean Horizon's new report on the new French PV + storage tender

French islands have **very ambitious renewables targets**: the energy transition law released in 2015 aims at 100% energy autonomy by 2030 for these areas. However, in these small grids, intermittent renewables already cause issues on the grid: they regularly reach 30% of the instantaneous generation, forcing the utility to curtail any additional production. To further integrate renewables, PV + Storage tenders have been issued by the government since 2011, leading to more than 50 MW of storage assets installed or planned in these areas.

In December 2016, a new tender was released by the French regulator for 50 MWp PV + Storage
http://www.cre.fr/documents/appels-d-offres

Clean Horizon, the French expert in energy storage, is releasing a report that aims at helping stakeholders involved in this RFP to better address this opportunity: understand the requirements, and advise them on the design of the storage part as well as the overall operation strategies.

What can you find in this report?

- Context on the RFP
- Detailed description of the operation constraints:
  - What are the forecast generation plans and what is their implication?
  - How do penalties work and what are the associated risks?
- Advice on the optimal sizing and operation on the storage part:
  - Is the peak option financially interesting?
  - Should the battery be oversized to increase the turnover?
  - What strategy should be adopted to replace the batteries?
- Comparison of Li-ion batteries and Vanadium flow batteries and the strategy to adopt for each of them

The analyses are based on simulations made with Clean Horizon's proprietary tool, CRE-STORE, that has already been used to size more than 40 storage projects.

Who needs this report?

- Project developers
- System integrators
- Solution providers
- Equipment manufacturers
- Financiers

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