

Demand Response tool

The Demand Response (DR) tool helps to manage energy resources based on the market needs (explicit DR). The tool will interact with markets to offer flexibility services. Increasing or decreasing consumptions levels can benefit the electric network to avoid balance or congestion issues. It enables computing key indicators, such as participation in markets, amount of flexible energy, and incomes of DR. An interface with DSOs and TSOs will allow for better coordination to manage the flexibility measures.

The DR tool relies on the Energy Efficiency (EE) tool. This means that the actions to modify the consumptions are done with respect to the operation decided by the EE tool. The DR tool could typically be used for the business of aggregators, but also energy retailers that provide DR aggregation services.

Short Facts

- Automation: energy consumers do not have to be in charge of turning on or off devices anymore.
- The tool will reduce the bill of the consumer and might lead to extra revenues from explicit demand response actions.
- The provider of this tool can monetize these savings depending on the business model, receiving a monthly fee.

What do we want to achieve?

Automatize the consumption to reduce the bill and increase self consumption helping the grid.

Implementation targets

- Energy Communities
- Domestic and Commercial Consumers/Prosumers

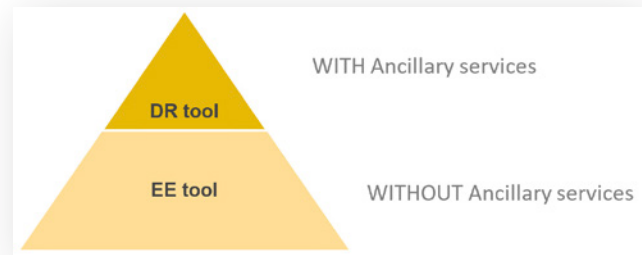
Greatest Benefit

Flexibility of the consumption is required to obtain 100% renewable systems.

Market Potential

Being included in EMS or used by aggregator, energy communities or any energy service provider.

Screenshot



Developer



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Technical Readiness Level



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