Optimize the use of your distributed assets to maximize your benefit

Target audience: Local energy system operators, aggregators, facility and energy management.

The Optimal Scheduler tool provides an hourly scheduling of storage (when store or consume) and controllable assets (when switch on/off) in order to maximize the use of renewable energy resources. It is based on the forecast production/consumption in the Local Energy System (LES). The application is fully integrable in the Energy Management System.

Product Highlights

- Optimal scheduling of multi-vector energy assets
- Day-ahead and intra-day hourly scheduling

Requirements/Expectations

- State of operation (storage, Building Energy Management System, indoor conditions)
- Controlling assets (storage, loads) available
- Energy costs available
- Weather data available

www.elandh2020.eu

Interested in our Optimal Scheduler Tool?

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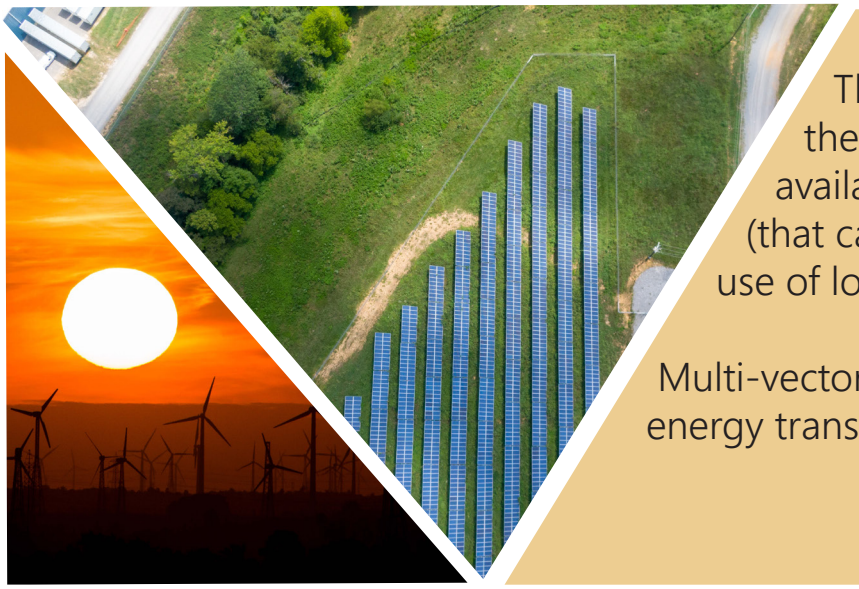
UdG

OPTIMAL SCHEDULER



The Optimal Scheduler module provides the scheduling of operating points of available storage units and flexible loads (that can be rescheduled) that optimize the use of local renewable energy sources.

Multi-vector energy is considered, including vector energy transformations.

KEY FEATURES

- Innovative and intelligent algorithms
- Optimal Schedule thermal and electrical storage
- Shift loads
- Storing excess of generation in thermal network
- Optimal management of electric vehicles

KEY BENEFITS

- Balance different forms of supplies (renewables, conventional sources and direct imports from the main grid)
- Use energy storage devices to temporarily store the surplus energy
- Take profit of curtailable or reschedulable loads
- Optimise the time for purchasing electricity from or selling excess electricity back to the eligible energy markets.

REASONS TO GET ENGAGED

- Decision tool that improves the use of renewable resources: CO2 reduction, costs reduction.

E-LAND

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