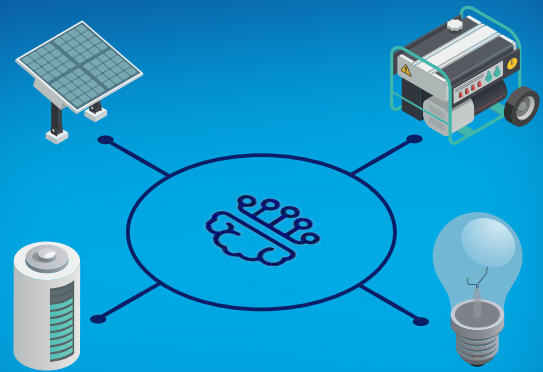


Energy Management System for Microgrids

About our EMS

Our Energy Management System is designed for grid operators and energy producers around the world. It autonomously manages the production of renewable energy sources, batteries, gensets or any other flexible assets on the microgrid 24/7.

Make a success of your microgrid energy transition



Islanding mode

- Maximization of renewable energy penetration
- Harnessing of solar energy production surpluses through batteries



Significant savings

- Lower fuel consumption
- Protection from fuel price volatility



Reliable real-time supervision

- In-house SCADA
- Real-time data visualization
- Alarm and log monitoring



Uninterrupted electricity supply

- Mitigation of blackouts
- High resilience against asset and communication loss



High interoperability

- Proven integration with a wide range of third-party Distributed Energy Resources, meters, controllers, etc...



A trustworthy investment

- The expertise of the EDF group
- Ready-to-use turnkey solution

Main features



Maximal renewable penetration

Minimal thermal production



Supply-demand balance

Curtailment of solar generation when necessary



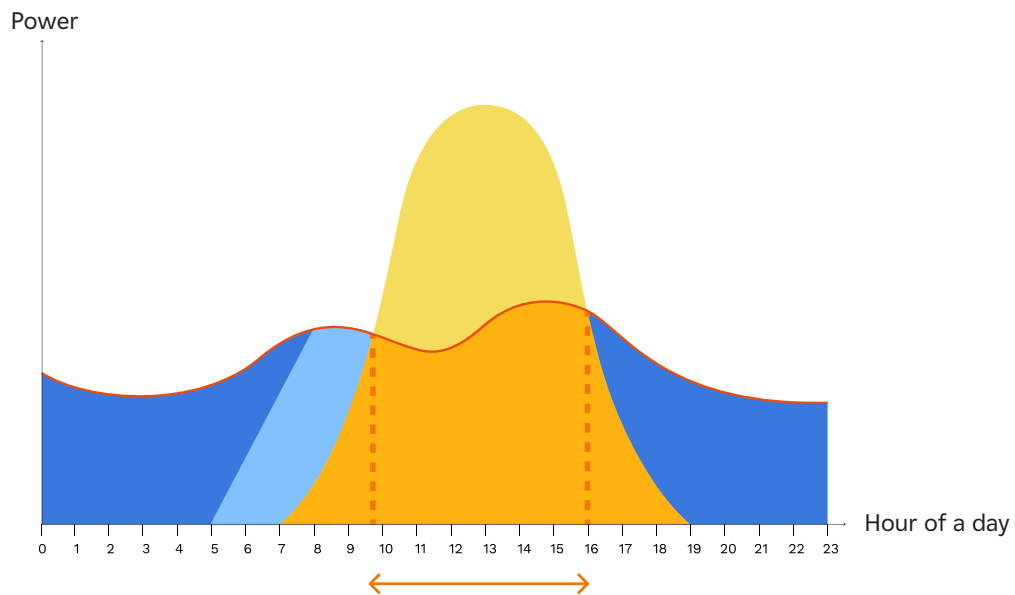
Optimized use of the storage system

Integration of the equipment manufacturer's constraints and recommendations

How does the EMS minimize fossil fuel dependency?

By charging and discharging the battery at the best possible time, the EMS allows the solar production surplus to be harnessed in the optimal way.

Load curve of a Microgrid



Battery is charging during the sunniest hours of the day.

- Solar energy surplus stored in the battery
- Minimal amount of thermal production
- Solar energy surplus released from the battery
- Solar energy production directly consumed
- Load curve



[For further information, contact us](#)



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