



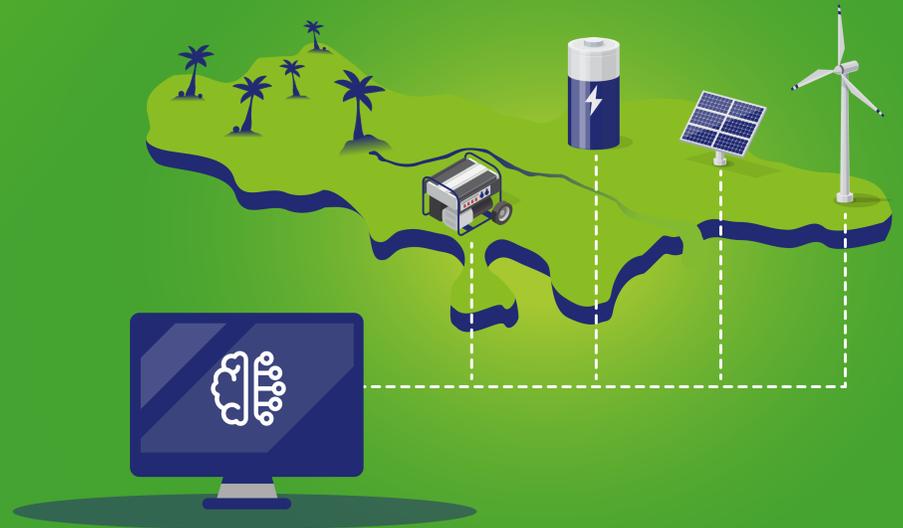
About our EMS

Our Off-grid Energy Management System (EMS) autonomously manages the production of renewable energy sources, batteries and gensets on remote microgrids that are totally disconnected from the national grid.

It is designed for isolated mining, agriculture, industries, and communities around the world seeking to reduce electricity supply cost by limiting fuel consumption and maximizing the penetration of renewable energy.

Off-grid Energy Management System

A turnkey solution to make your microgrid energy transition a success



MANAGE YOUR REMOTE MICROGRID ENERGY WITH A CENTRALIZED AND RELIABLE CONTROL SOLUTION



Real-time dispatch across assets to maximize renewable energy penetration



Frequency control by balancing production and consumption and using assets' grid-forming modes



Smooth energy dispatch to ensure good grid quality and improve asset durability



Manual mode to operate the system manually

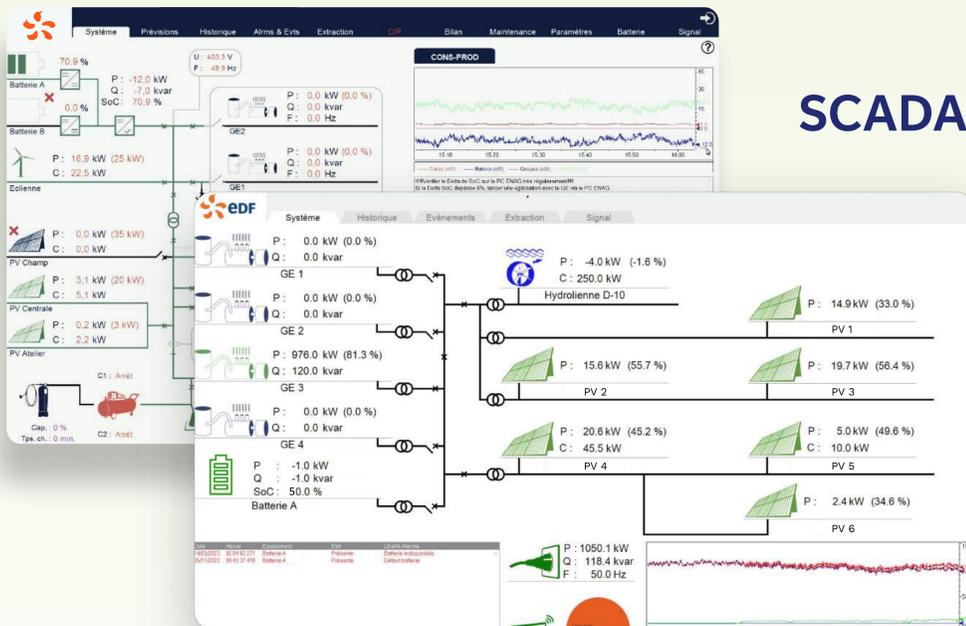


Genset off mode when microgrid is powered only by battery and renewables



Fallback mode to handle asset unavailability

AN ALL-IN-ONE CONTROL SOLUTION FOR REAL-TIME AND SECURE ACCESS TO YOUR DATA



SCADA

Industrial supervision system

- A robust solution that can be customized to suit your installation
- An effective alert system (e.g. disconnected battery, low oil level on a diesel engine, etc.)
- Interaction with the EMS to trigger commands
- Tracking of manual actions and event history



DATA VISUALIZATION

Real-time equipment monitoring interface

- Remote access 24/7
- Ergonomic and responsive interface
- Raw data export
- Possibility of choosing time scales to focus on a given period



FOCUS ON AN OFF GRID PROJECT

Peruvian town of 17,000 inhabitants, in the heart of the Amazon.

Their objective ? Decarbonize their energy mix and save fuel.



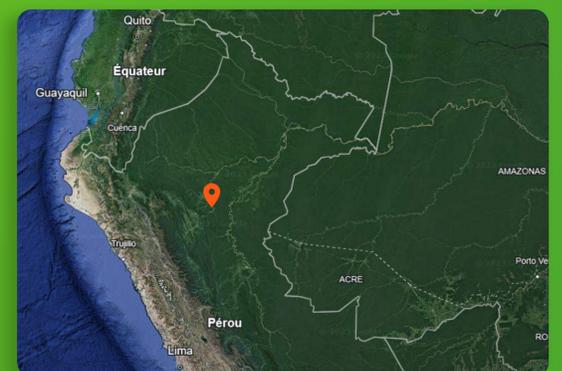
50 %
renewable
energy



600,000 l
of fuel oil
saved
per year



1,400 t
of CO2
saved
per year



**Peak
consumption**

950 kW

PV	Batteries	EMS	Gensets
3 MWp	1.1 MW	off-grid	3 x 500 kVA

For further information, [contact us](#)



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