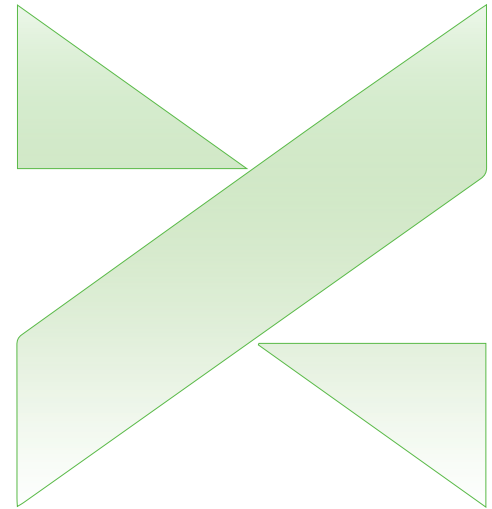


# X-Series

## X-Core Cloud

### The Energy AI



#### X-Core Cloud:

X-Core Cloud is a smart energy management solution that monitors battery cells in real time and manages preventive, reactive and predictive maintenance processes.

##### X-Core Cloud Provides

- Comprehensive monitoring, data logging and maintenance management solution for energy storage systems
- Centralized control & visualization
- Remote & real-time data collection

#### Fast Solution in Warranty and Service Processes:

We record every detail and provide maximum security.

- **Accelerating warranty and service processes:**  
Quick decision mechanisms will be created by examining all historical data at the cell and battery module level
- **Insurance & Security reporting:**  
In case of a fire or a serious incident, liability analysis of the incident will be possible thanks to data records



Adding X-Core data loggers to each container enables the use of the existing BMS communication



Data from battery cells is constantly updated with a resolution of 30 seconds



All data is saved on secure cloud servers in Switzerland and stored for ulterior analysis



#### Proactive Quality Management:

We ensure the highest quality by optimizing production processes with cell-based data analysis



#### Reactive Maintenance (Post-Failure Analysis):

X-Core Cloud provides end-to-end fault management, including post-incident reports



#### Predictive Maintenance:

Thanks to the collected data, we detect problems before they occur and increase customer satisfaction



#### Smart Data Use:

We make future production more efficient and durable with information from cells



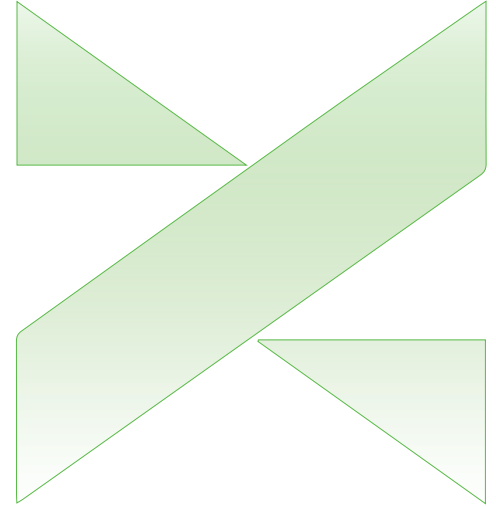
#### AI-Powered Energy Optimization:

We use AI to analyze data, optimize battery performance & predict failures, ensuring efficient and reliable energy storage

# X-Series

## X-Core PPC | EMS

### Data Management



#### X-Core PPC:

X-Core PPC provides advanced plant-level control, managing energy resources and ensuring smooth grid coordination. It supports frequency and voltage regulation, energy shifting, capacity firming, and zero export/import operations. Integration with SVC or STATCOM enables precise reactive power balancing and enhances grid stability.

#### X-Core EMS:

X-Core EMS offers a unified solution for real-time control and monitoring of battery energy storage systems. It enables fast frequency regulation and inertia support via PPC, ensuring accurate power dispatch. The system also provides real-time visualization, smart alarms, and advanced analytics, with seamless integration into BoP and third-party systems through a customizable interface.

### Cloud

X-Core Cloud



### On-Premise / Plant

X-Core PPC



X-Core BESS EMS



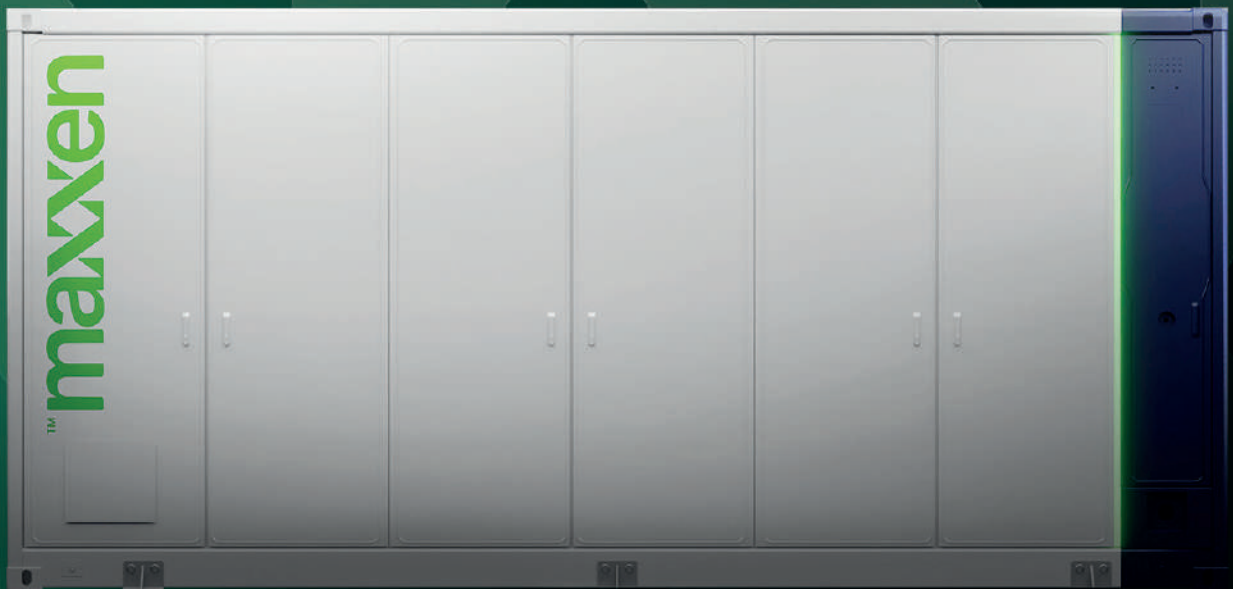
X-Core Wind EMS



X-Core PV EMS



# The X Factor of Energy



<sup>TM</sup> maxxer