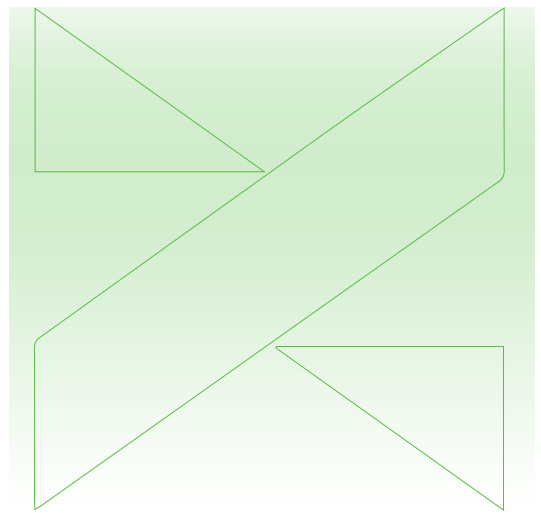


X-Series X-Core

The Energy Software Series



X-Core Cloud:

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

X-Core Cloud Provides

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

Fast Solution in Warranty and Service Processes:

We record every detail with black box logic 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

X-Core



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 and historical data is stored for analysis



Proactive Quality Management:

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



Predictable 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:

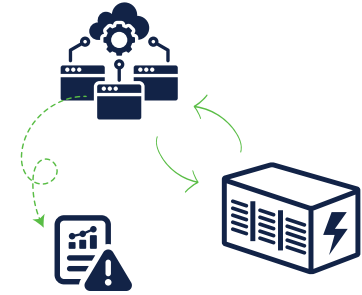
We use AI to analyze data, optimize battery performance & predict failures, ensuring efficient and reliable energy storage



Reactive Maintenance (Post-Failure Analysis):

X-Core Cloud provides end-to-end fault management, including preventive, reactive, and post-incident processes.

Smart Data Integrated Energy Sustainable Future!



X-Core PPC:

X-Core PPC provides plant-level control, managing energy resources and grid coordination. It supports frequency/voltage regulation, energy shifting, capacity firming, zero export/import, and reactive power balancing via SVC or STATCOM integration.

X-Core EMS:

X-Core EMS provides real-time control for fast frequency regulation and inertia support via PPC. It ensures BESS active/reactive power follows dispatch targets, maintaining output levels, ramp rates, and optimal SoC.

X-Core Scada:

X-Core Scada enables real-time monitoring, smart alarms, and advanced analytics. It integrates with BoP SCADA and third-party systems, while offering customizable UI for layout, data display, and SLD configuration.

Cloud

X-Core Cloud



On-Premise / Plant

X-Core PPC



X-Core Scada



X-Core BESS EMS



X-Core Wind EMS



X-Core PV EMS

Unit

X-Core BESS EMS



X-Core Wind EMS



X-Core PV EMS

