Advanced Data Monitoring

Increase your operational knowledge and system analysis capabilities with access to real-time data at every level of your storage asset.

Solution Overview

Fluence storage products generate vast amounts of data. While Fluence OS provides operators with comprehensive system control and data acquisition, some customers may want expanded data access outside of the Fluence controls software (i.e. in their own energy management system or data historian, such as OSIsoft PI Historian). The Advanced Data Monitoring (ADM) solution provides read-only data monitoring points for the entire energy storage system, including balance of plant equipment, via an OPC Unified Architecture (UA) server installed onsite. ADM is available with a one-time implementation fee and an annual subscription covering all necessary software licenses and ongoing support.

Customer Benefits

Increase Data Transparency
View component-level data points at a minimum interval of 2 seconds

Leverage Existing Software
Integrate asset data into existing energy management system or plant controls software via the OPC UA protocol

Enhance Internal Team Capabilities
Granular system data supports internal asset management, data science, and analyst teams

What's included with advanced data monitoring?

SUMMARY OF STANDARD POINTS:

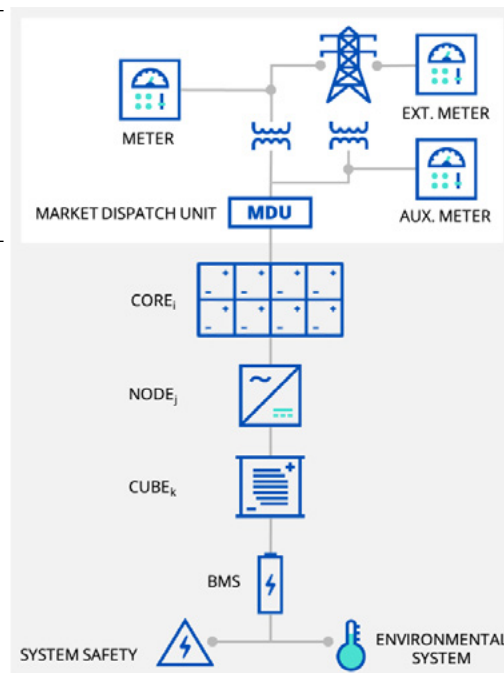**Array:** Energy Capacity, Stored Energy, # Nodes Available, SOC

Meters: SOC, Real & Reactive Power, Current, Voltage, Frequency

MDU: Charge & Discharge Capability, Ramp Rates, Charge Limits

Master Fire Panel Summary

Client Control System Write Commands

STANDARD POINTS

SUMMARY OF ADVANCED POINTS:

• All points from Standard Offering

• **MDU:** Application-level data, such as all State of Charge Management Parameters

• Transformer and PCS data

• Highly detailed Core, Node, Cube, and BMS data

    Core: SoC, Current State, Real/Reactive Dispatch

    Node: Current State, # of Nodes Connected, System Power

    Cube: HVAC and Chiller data, including Temperature, Humidity, and Alarms

    BMS: Max Cell Voltage & Temperature, Remaining Charge/Discharge Energy, and MBMU System Warnings

ADVANCED POINTS