Fluence Mosaic™

Automated, AI-powered bidding for solar, wind, and energy storage

Conventional bidding approaches for energy storage and renewable assets can't keep up with the volatility and complexity of rapidly changing wholesale markets. Increase energy and ancillary service revenues and reduce risk with the Fluence Mosaic Intelligent Bidding Software.

Overcoming rapid change in energy markets

MARKETS MOVE FASTER THAN TRADERS CAN RESPOND
The growth of wind and solar is increasing price volatility, which creates challenging conditions for electricity traders.

NEW ASSET TYPES INCREASE COMPLEXITY
Energy storage offers unparalleled flexibility to deliver energy and ancillary services, but maximizing revenue requires price forecasting and optimization that go beyond human speed and ability.

TRADING DESKS NEED POWERFUL NEW TOOLS
Independent power producers and utilities need new bidding strategies and tools that can unlock the value of their storage and renewable assets.

Mosaic helps renewables and energy storage asset owners in these markets maximize revenue. The software leverages machine learning to forecast electricity prices and automatically develop optimized bids for relevant markets.

Mosaic for Australia's National Electricity Market (NEM)

ASSET TYPES SUPPORTED:
Renewables and energy storage

MARKETS SUPPORTED:
Real-Time

PRODUCTS SUPPORTED:
Energy and all Frequency Control Ancillary Services

Mosaic for the California ISO (CAISO)

ASSET TYPES SUPPORTED:
Energy storage and hybrids

MARKETS SUPPORTED:
Day Ahead, 15-Minute, and Real-Time

PRODUCTS SUPPORTED:
Energy, Reg Up and Down, Spin and Non-Spin Reserve

Mosaic for the Electric Reliability Council of Texas (ERCOT)

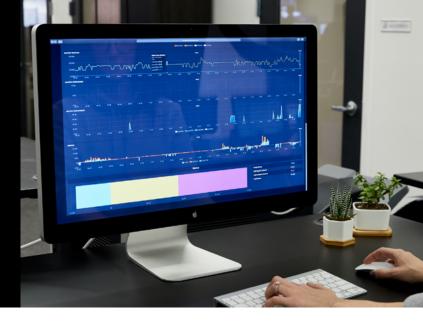**ASSET TYPES SUPPORTED:**
Energy storage

MARKETS SUPPORTED:
Day Ahead and Real-Time

PRODUCTS SUPPORTED:
Energy, Reg Up and Down, Responsive Reserve Services

Maximize Asset Revenues with AI Optimization

Increase energy storage and renewable asset revenue compared to manual bidding strategies by using AI-powered software with powerful price forecasting and bidding automation

How Mosaic Works

FORECASTING
Advanced machine learning analyzes thousands of variables to predict future market prices every five minutes.

OPTIMIZATION
Advanced co-optimization of all applicable products for day-ahead and real-time markets.

BIDDING
Incorporate your organization's risk tolerance levels with our bidding strategy expertise to prepare ISO-compliant bids for submission.

AI Bidding Increases Energy Storage and Renewables Asset Value

Predict the future. Produce probabilistic price forecasts that minimize error and maximize returns

Protect assets. Incorporate warranty constraints and operating parameters into optimized bids

Accelerate decision-making. Execute complex bids that are impossible for humans to manage

Powerful Tools Support Trading Desk Operations

Automated, compliant bids. Algorithms operate in full compliance with all market rules and requirements

Manual bidding override. Pause algorithmic bidding and override manually at any time

Technology agnostic. Optimize battery-based energy storage technologies from any vendor

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