



Alpha Trader DART Spread Advisor from GE Digital

Accelerate the energy transition by increasing the value of your power portfolio by leveraging daily AI/ML informed recommendations for energy market participation.

Variable generation and volatile pricing leads to uncertainty, decreasing potential revenue. Gain confidence knowing how to best hedge your risks with highly accurate insights into nodal and hub level pricing.

Shift day-ahead market participation from a guessing game to a risk management decision.

Key Features:

- Probabilistic view of DART spread for each hour
- Recommendation of which hour to participate
- Timing of recommendations can be customized to match customer business process
- Easily access and communicate recommendations via UI, email or API

BENEFITS

01

Predictive and prescriptive analytics to reduce future uncertainty and increase revenue

02

Provides not just a single number, but a highly accurate understanding of the probability distribution

03

Automate the gathering and synthesis of various datastreams to provide actionable intelligence

04

Reduce missed opportunities

PERFORMANCE

\$3+/MWh

Increase the value of your virtual trades by \$3+/MWh

Key Inputs:

- System wide load and generation forecast
- Ambient Conditions
- Historical price behavior
- Transmission and generation outages
- Additional proprietary features

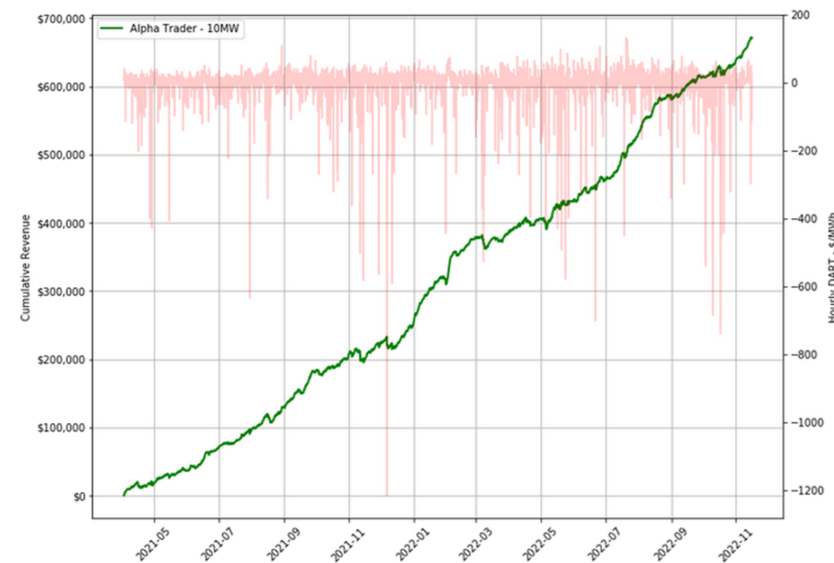
Requirements:

- Nodes and hubs of interest



Use Case

The Southwest Power Pool (SPP) is rich with wind and contains significant transmission challenges which drive volatility in DART spreads not seen in other ISOs (yet). GE worked with a proprietary trading shop actively trading virtuals at multiple nodes in SPP to understand how Alpha Trader's DART Spread Advisor could help their operations. The focus was on a single wind farm node in SPP South trading a flat 10MW when recommended to enter, otherwise staying out. The chart illustrates the cumulative results of that trade, left axis in green, overlaid on DART spread, right axis in faded red.

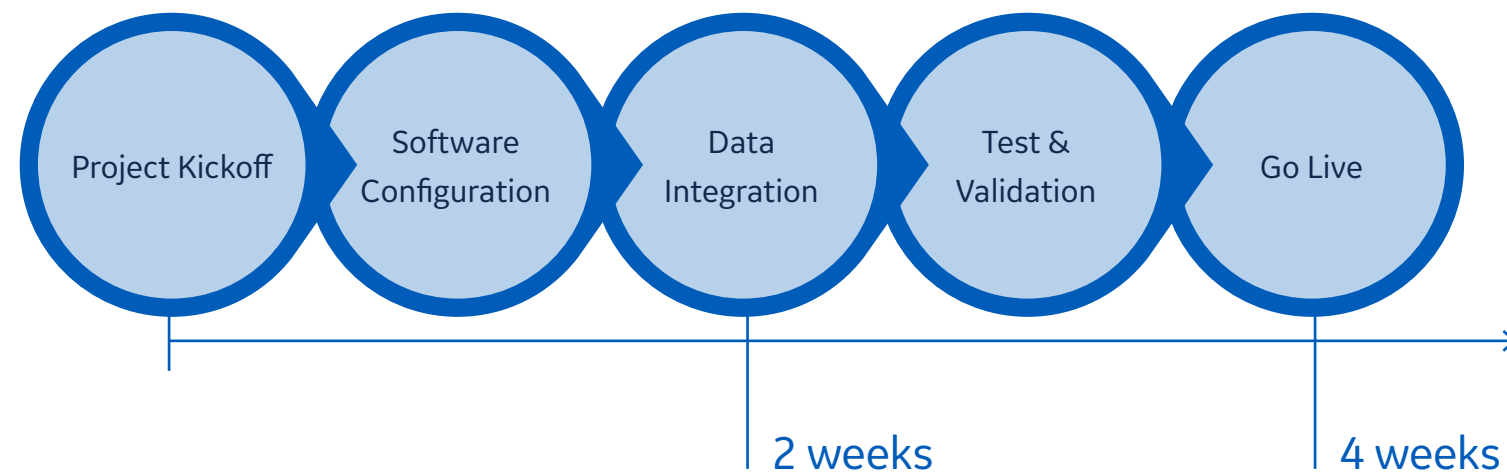


Results: Despite the significant negative events, Alpha Trader's DART Spread Advisor was able to deliver \$671,000 of incremental revenue over 1.6 years which equates to \$5.4/MWh using the 10MW trade.

Deployment

On cloud with configurable data delivery.

Implementation*



*Does not include outage odometer or Capacity Dispatch Optimizer / Capacity Trader installation times

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Alpha Trader utilizes the following

Optimize the balance between portfolio risk and revenue, leveraging our proprietary predictions of asset performance and market prices.



Digital twin models for each facility in your portfolio continuously updating based on actual performance



AI/ML models for all relevant market prices that affect your portfolio economics



Easy-to-access software user interface that provides actionable recommendations

Alpha Trader product line

■ Base Solutions ■ Add-on

Performance Predictions

- Operating Envelope Advisor for the Thermal Plants
- Energy Predictions for Renewables (Solar/Wind)

Thermal

- Fuel Noms
- Offer Curve Analysis
- Outage Scheduling Advice

Renewable

- Offtake Risk Advisor
- Merchant Operation Risk Advisor
- Deviation Settlement Risk Advisor

Financial

- Energy Trader - DART Spread

Alpha Trader Foundation

ProcessLink



Stop missing opportunities.

Trusting a recommendation takes time. See how you can reduce risk and optimize your portfolio. Request a free consultation for a discounted trial.

GET STARTED

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