

Alpha Trader for:

# RENEWABLE ENERGY OFFTAKE RISK MANAGERS

Accelerate the energy transition with insights to manage risk and reduce uncertainty to improve portfolio results

## Key Features

- Advises the megawatts (MW) to commit each hour for each plant
- Aggregate multiple offtakes into a single view for performance monitoring
- Energy Predictions for visibility on outputs (MWs) for Wind or Solar Farms
- Digital Twin models for each renewable generation facility
- AI/ML model for all relevant market prices that affect your portfolio economics
- Risk management for tuning risk to match your target
- Flexible data delivery to fit your business process – UI, API or emailed CSV

## Benefits

**01**  
Maximize your revenue at the lowest possible risk with insights based on your generation and pricing

**02**  
Provides not just a single number, but a highly accurate understanding of the probability distribution

**03**  
Propel the transition to clean energy by increasing value of renewable assets

FEATURE	COMPETITOR	GE VERNOVA
Asset performance prediction	✓	✓
Price Prediction	✓	✓
Contract		✓
Risk aware recommendation		✓

## Requirements\*:

- Site operational data needs to be provided by customer
  - Already connected to GE
  - Customer hosted service for GE to query
  - GE hardware or VM on site
- Nodes and hubs of interest
- Offtake details

## Performance

Over

# \$2/MWH

increased value consistently seen in GE Vernova trials

More than

# \$1.3M

annual revenue increase

seen consistently in GE Vernova trials assuming 250MW @ 30% capacity factor and \$2/MWh

**Increase the value of your renewable offtake agreements with AI/ML informed recommendations for energy market participation.**

Shift day-ahead market participation from a guessing game to a risk management decision. Variable generation and volatile pricing have traditionally kept Renewable market participants out of the day-ahead market. Gain confidence knowing how to best hedge your risks with proven insights into next day generation, nodal and hub level pricing. Get recommendations that combine an understanding of your offtake contract and risk profile with those insights.

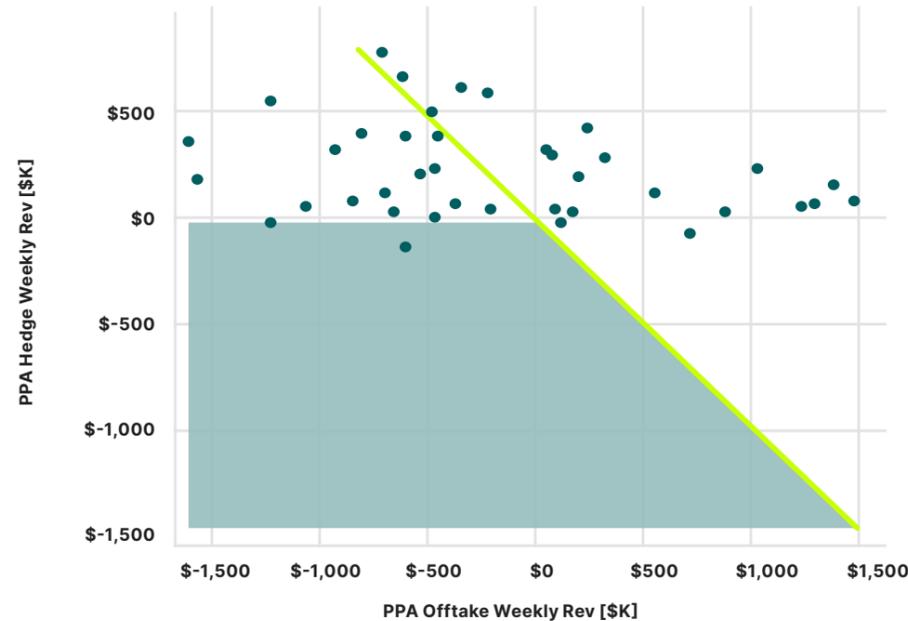
[Book a demo](#) 

# USE CASE

To test the effectiveness of the AI/ML recommendations, a wind farm with a vPPA in N. America was selected. The offtaker experienced an \$8.6M loss over 9 months of operation due to negative real-time pricing when the project generated electricity. As seen in the chart below, Alpha Trader's recommended hedge was accretive to real-time only participation 36 of the 38 weeks.

## Results:

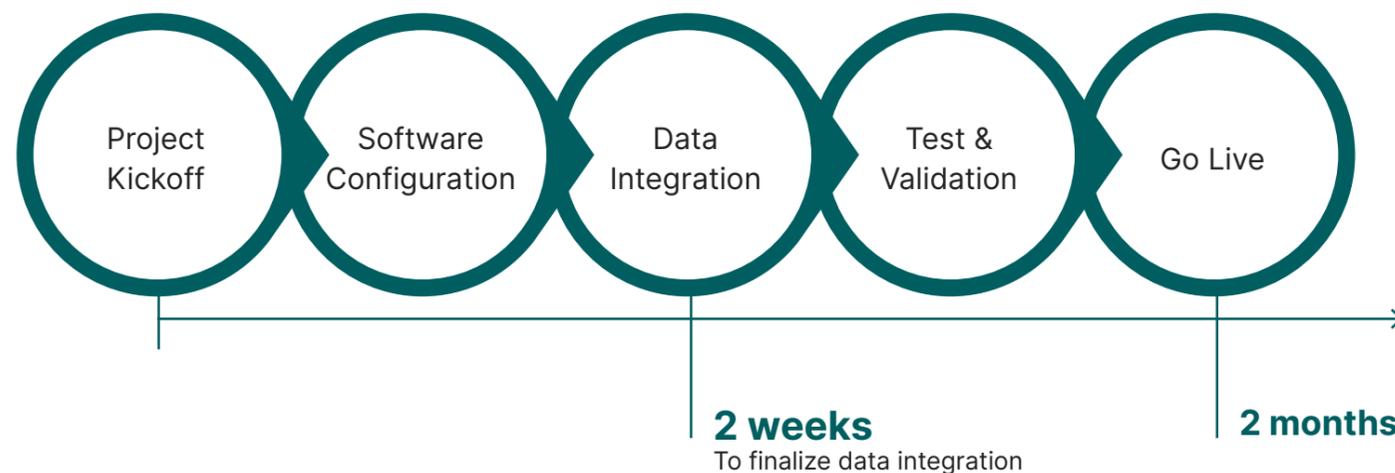
Over the course of 38 weeks, portfolio performance would have improved substantially by use of Alpha Trader's recommendations. If acted on, Alpha Trader would have turned a \$8.6M loss into a \$1.3M gain, a swing of +\$9.9M.



# DEPLOYMENT

On cloud with configurable data delivery.

# IMPLEMENTATION\*



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

# 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

## 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

## 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.

[Book now](#)