

The Ascend Energy Exchange: An M&A Advisory Service for Asset Sales Utilizing an Exchange Platform

November 2024



- Founded in 2002 with ~180 employees headquartered in Boulder, CO
- Six integrated service lines for asset operations, portfolio analysis, and planning
- Custom analytical solutions and consulting

The Ascend Product Suite



Bid Optimization & Scheduling Services



Portfolio Risk Management & Resource Planning



Energy Asset Valuation



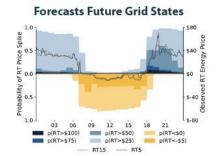
Market Intelligence
Price & Market Forecasts

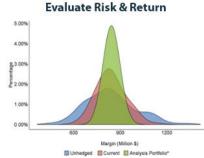


Merchant Storage Financing

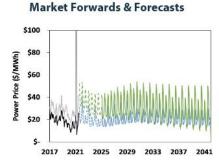


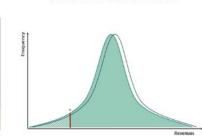
Clean Energy Asset Sales & Power Procurement Marketplaces











Remove Downside Risk



























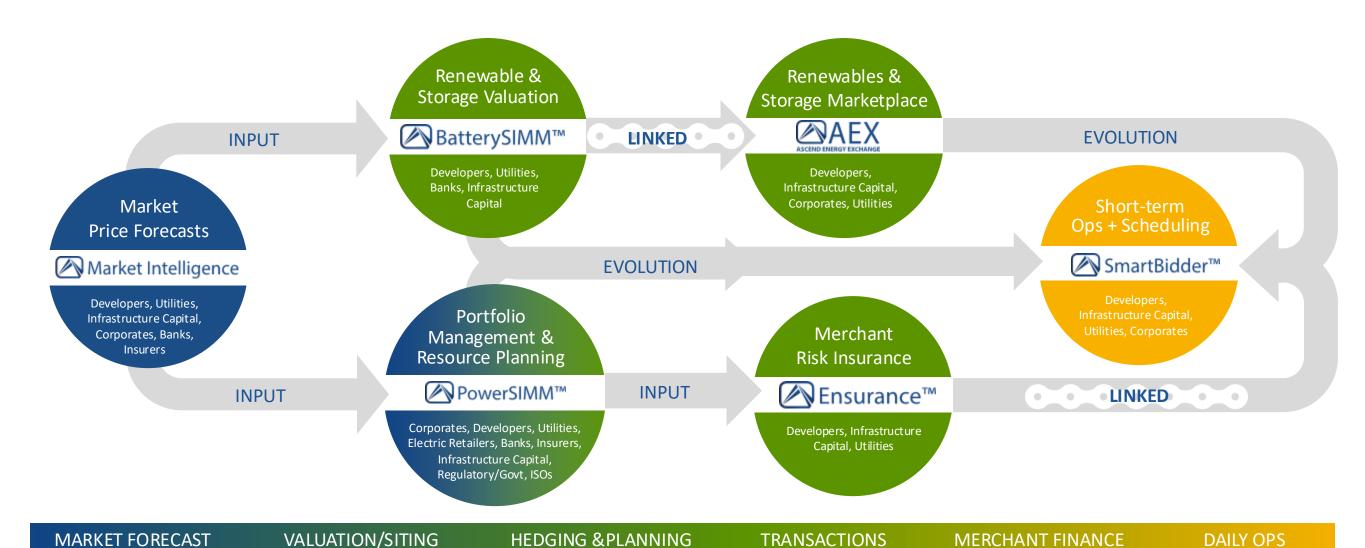






AEX Leverages the Full Ascend Ecosystem

1 month to 30 years



Development Cycle

5 to 10 years

1 month up to 30+ years

Next month to 30 years

Ascend Analytics – Market Principles



Driving the Energy Transition



Weather as the New Fuel



Project Lifecycle Ecosystem



Simulating with Real-World Operations

Ascend evaluates and reports on the underlying drivers of the electrified economy through webinars, white papers, and thought leadership

Ascend quantifies intrahourly volatility at
the node for revenues,
market exposure, loss
of load events, carbon
emissions, and other
factors affected by
renewable output
variability.

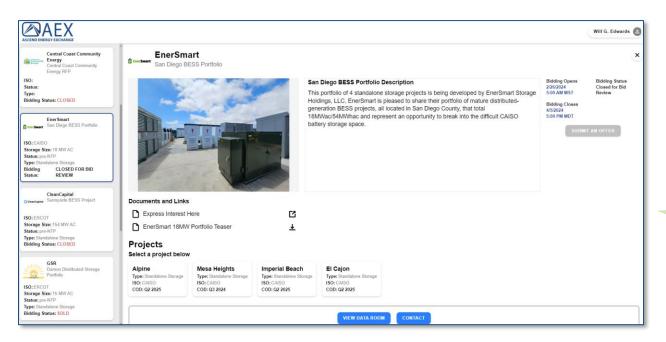
The Ascend software ecosystem provides a lifecycle partnership that enhances returns and minimizes risk.

Ascend calibrates policy effects on markets, long term technoeconomic principles, and capacity expansion with the realities of policy implementation and governance.

AEX: M&A Advisory Service for Asset Sales Utilizing an Exchange Platform

What do we do?

- Provide sell-side and buy-side M&A advisory services for energy storage and hybrid renewables + storage assets
- o Pre-qualify and screen sellers, assets, and buyers
- In-depth project valuation, financial modelling, merchant risk mitigation strategies, bidders' webinar, and dataroom/Q&A management from launch through MIPA execution



Unique Value-adds

- Deepest pool of buyers and sellers, thanks to Ascend's network and positioning
- Wholistic service covering buyer engagement, market analytics, project valuation, financial modelling, and end-toend transaction support
- Provide buyer education including complementary merchant risk mitigation strategies, e.g. through EnSurance
- Flexibility to facilitate large auctions, small/focused auctions or bilateral transactions, to fit buyer and seller needs
- Cost effective

Coming soon

- Additional assets and portfolios for sale
- "Asset wanted" listings on behalf of buyers



The Need: An Efficient Way to Buy & Sell BESS and Hybrid Assets

What Sellers Need	In-House M&A Team	Pureplay Marketplace	Traditional Advisor	
Outreach to a large pool of qualified buyers	Limited "Rolodex". No access to new buyers, e.g. new global entrants	Limited outreach and prequalification	Outreach is limited to the usual buyers	
Support in valuation and analysis to best market the asset(s)	Need to procure 3 rd party valuations	Need to procure 3 rd party valuations	Lack in-house expertise in energy markets, storage. Need to procure 3 rd party valuations	
Competitive price	Yes, though burdens core teams	Yes	No	
What Buyers Need				
Access to high quality projects	Limited "Rolodex". No access to new/smaller developers	Limited screening	Limited screening	
Support in valuation and analysis	No	No	Lack in-house expertise in energy markets, storage	
Solutions for revenue optimization and merchant risk mitigation	No	No	No	

The Solution: AEX – Ascend's Unique Approach to M&A of BESS and Hybrid Assets

What Sellers Need	In-House M&A	Marketplace	AEX	Traditional Advisor
Outreach to a large pool of qualified buyers			Leverages Ascend's relationships with a large, diverse pool of buyers, including new global entrants	
Support in valuation and analysis to best market the asset(s)			Provides in-depth market analysis, project valuation and financial modelling	
Competitive price			In-house expertise and low overhead allows for competitive pricing	
What Buyers Need				
Access to high quality projects			Pre-screens sellers and projects to ensure good market fit	
Support in valuation and analysis			Provides market analysis, project valuation, indepth Q&A	
Solutions for revenue optimization and merchant risk mitigation			Offers complementary products for optimization, risk mitigation: SmartBidder and EnSurance	

AEX Asset Sales Process: Streamlined; Driven by In-Depth Market Knowledge

Weeks 1 - 6

Weeks 7 - 12

Stage 1: Pre-Bid and Marketing

- Project review
- Outreach strategy
- Focused Teaser distribution
- Bidders webinar

Stage 2: DD, Q&A and Bidding

- Buyer due diligence
- Q&A with Ascend and Seller
- 1 or 2 round bid process
- Shortlisting and preferred bidder selection

Stage 3: Exclusive Negotiations

- Exclusivity agreement
- Advanced DD and Q&A
- Commercial negotiations
- Execution of definitive agreements and closing



Selected AEX Transaction References

1. BESS Portfolio: ERCOT

Seller: GSR Energy

 Asset: Portfolio of up to 70 MW BESS, pre-NTP

Buyer: Agilitas

Date: March 2023[announcement]





2. BESS Portfolio: MISO, PJM, ERCOT, SPP

Seller: Peregrine Energy

 Asset: Portfolio of up to 892 MW BESS, pre-NTP

Buyer/Investor: AB CarVal

Date: August 2023[announcement]





3. BESS Portfolio: ERCOT

Seller: GSR Energy, on behalf of an undisclosed owner

 Asset: Portfolio of 15 MW BESS, pre-NTP

Buyer: Vopak

Date: February 2024[announcement]





More transaction announcements coming soon...



AEX Management: Deep Domain Expertise



Gary Dorris, PhD President & CEO, Ascend Analytics

- Pioneer of market insights and valuation of renewables and storage
- Numerous expert economic valuations and reliance letters
- Direct guidance and strategy support for multiple developers, utilities, and corporates



Rahm Orenstein Managing Director, AEX

- Former CEO of Sunflower Sustainable Investments, Ltd (TASE: SNFL), a global IPP
- Former VP, Business Development Energy Storage at Ormat Technologies (NYSE: ORA)
- 15-year experience in origination, development, M&A; > 400 MW developed; > 2.5 GW pipeline



Will Edwards Business Development Manager

- Manages projects for sale on the Ascend Energy Exchange: listing, collateral, dataroom, Q&A, webinar, etc.
- Leads communication with sellers and buyers

Easy to Use: Fast, Efficient, Encouraging Broad Buyer Engagement





Rahm Orenstein





ISO: Status: Type:

Bidding Status: SOLICITATION

Central Coast Community

Energy RFP

ISO: Status:

Bidding Status: CLOSED

CleanCapital

Sunnyside BESS Project

Storage Size: 154 MW AC Status: pre-NTP Type: Standalone Storage

Bidding Status: CLOSED

Ener Smart

EnerSmart San Diego BESS Portfolio

Storage Size: 18 MW AC Status: pre-NTP

Type: Standalone Storage

Bidding Status:

Damon Distributed Storage

CLOSED FOR BID

REVIEW

ISO: ERCOT

Storage Size: 15 MW AC Status: pre-NTP

Type: Standalone Storage Bidding Status: SOLD



GSR

GSR ERCOT Distributed Storage Portfolio



GSR ERCOT Distributed Storage Portfolio Description

For sale is a portfolio of 7 ERCOT 9.9 MW fast-track distributed storage projects. These projects are positioned in an excellent location to capitalize on congestion and volatility, which are expected to grow in ERCOT throughout the coming years. ERCOT is adding renewable generation at a massive scale, increasing the volatility of the power market and providing an opportunity to arbitrage for fast responders like these battery projects. Houston, where these projects are centered, provides additional potential due to its prime location in a demand center. Power generation is concentrated in the western portions of the state creating opportunities for producers that can be co-located with demand. Ascend expects these projects to have an average simple payback in 3-4 years.

Golden State Renewable Energy (GSR Energy) has formed Gulf States Renewable Energy LLC (GSR-E TX), a Texas Limited Liability Company, as a special purpose entity formed to originate, develop and construct Distributed Generation Resource (DGR) standalone storage projects in ERCOT. GSR Energy is offering for sale the entirety of the GSR-E TX entity, with intent that all assets will be assigned to Buyer, and Buyer will fund ongoing capital expenditures and milestone-based success fees.

GSR welcomes all serious offers and looks forward to a streamlined and transparent sale process. While buyers can utilize their own offer sheets, usage of the standard offer template is preferred. Bidders should place offer for entirety of the Gulf States Renewable Energy entity.

Trinkie Storage

ISO: FROOT

COD: Q3 2024

Type: Standalone Storage

Low 15¢/W

A-Estimate 2

Bidding Opens 10/15/2022 9:00 PM GMT+3

Bidding Closes 10/27/2022 2:00 AM GMT+3

Documents and Links

GSR Portfolio Sale Press Release

Projects

Select a project below

I-eye Storage Type: Standalone Storage ISO: FRCOT COD: Q4 2023

Type: Standalone Storage ISO: ERCOT

Lyle Storage Goddess Storage Type: Standalone Storage

ISO: ERCOT COD: Q2 2024 COD: Q2 2023

Camarine Storage Type: Standalone Storage ISO: FROOT

COD: Q1 2024

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North Houston Storage Type: Standalone Storage ISO: ERCOT

COD: Q1 2024

Teeber Storage

Type: Standalone Storage ISO: ERCOT COD: Q2 2024

VIEW DATA ROOM





For questions, please contact Will Edwards or Rahm Orenstein

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