



Energy Services

**Navigate complexity with flexible,
full lifecycle support**

Whether you are in the early stages of clean energy project design, navigating the critical phase of project approvals, or optimizing operations once its live, Stem is here to support you at every step. Our team of experts provides a range of Energy Services - from Development & Engineering and Procurement & Integration to Performance & Operation - all aimed at enhancing the long-term performance and profitability of your energy storage and solar projects.





With today's complex and shifting energy landscape, a growing number of customers rely on Stem's expertise to develop, interconnect, deploy, operate, and optimize successful energy storage and solar assets. Stem is uniquely positioned to help a range of customers – including project developers, EPCs, IPPs, other asset owners such as infrastructure funds, utilities, and energy traders – capitalize on opportunities to achieve a variety of business goals. Our flexible approach allows you to tailor these Energy Services to align perfectly with your project requirements through the project lifecycle.

Development & Engineering Services

We understand the importance of laying a solid foundation for your energy storage and solar projects. Our Development & Engineering Services are designed to guide you through the early planning stages, ensuring informed decision-making and setting the stage for success.

Development Design & Engineering

- Impact analysis of expected operational activities
- Fully spec'd design packages for Notice-to-Proceed (NTP) approvals

Owner's Engineering

- Facilitated vendor interactions
- Site due diligence

Revenue Modeling & Market Advisory

- Guidance on wholesale market entry and participation
- Model equipment configurations aligned to project goals

Interconnection Application Support

- Review of preliminary configuration and design documentation
- Assessed requirements and advise on filing

Procurement & Integration Services

Stem recognizes the critical phase of project execution and the need for specialized support to ensure the timely deployment of energy projects. Our Procurement & Integration Services are tailored to guide you through the post-NTP phase before your commercial operation date (COD).

Procurement Strategy & Advisory

- RFP and supplier management
- Contract support and negotiation
- Technology assessments and market intelligence

ESS Design & Integration

- System design, certification, and testing oversight
- Pre-deployment and field integration testing
- Commissioning and project management

Turnkey BESS Procurement & Delivery

- RFP and supplier management
- Procurement and logistics coordination
- Project engineering and execution

Performance & Operation Services

We enable efficient operations for optimal economic and technical returns to maximize the value of your assets. Stem's Performance & Operation Services are designed to support the operational phase of your storage and solar projects post-commercial operation date.

Trading Strategy Development

- Expert-led development of trading strategies
- Guidance on market opportunities per risk appetite

Managed Bid Optimization

- Active management of bidding strategies
- Support to maximize revenues in wholesale markets

Managed Scheduling

- Ongoing access to energy assets
- Support to manage wholesale market participation

Managed Programs

- Program enrollment into wholesale markets and available incentives
- Guidance on site economics for maximum savings and revenue

Remote Operations Center (ROC)

- Operational management of energy assets
- 24/7 site monitoring for equipment maintenance

Long Term Service Agreement (LTSA)

- Single point of contact for multiple vendors warranties
- Warranty management and resolution with OEM's

Performance Reporting

- Access to deep analytics and reporting expertise
- Customizable for asset use cases in sites or portfolios

Stem's Energy Services assist customers with questions like:

Which project locations make the most sense?

What is my expected project revenue?

How can I implement a performance guarantee?

Are my assets performing as they should be?

How can I take advantage of all available economic opportunities?

What is the optimal project size, configuration, and hardware?

How can I maximize asset earnings given market conditions, trends, and constraints?

What are the benchmark performance impacts of different bidding strategies?

Why Stem

With hundreds of thousands of projects operating on our platform, Stem's teams have developed valuable expertise spanning the entire project lifecycle. Our unique experience and unparalleled insights enable us not only to offer the best energy storage and solar solutions on the market but also to provide Energy Services to many different customers on a wide range of projects.

Project Spotlights



Long-Term Asset Owner

BESS for 240 MW PV | Oregon

Feasibility & Preliminary Design

Stem developed various project designs and hardware configurations that considered solar curtailment, capex/opex concerns, and four seasonal climates for optimized financial returns and revenue streams. Across these options, Stem can further support through interconnection and beyond.



Distributed Generation Storage Developer

Two 40 MWh BESS | Texas

Revenue Modeling & Market Advisory

Stem provided low, medium, and high cases for revenue projections at the specific locations where projects are being developed. We also provided an augmentation strategy and schedule for the projects' batteries based on Stem's Modular ESS solution, all of which they can officially use as an investment-grade project revenue forecast to move forward.



Family-owned Storage Developer

50 MW / 2-hour BESS | Texas

Interconnection Application Support

Stem delivered preliminary BESS designs based on the optimal sizing from our revenue modeling & market advisory guidance, while in conjunction, developed steps for the interconnection process needed for participation in ERCOT. The partnership has opened doors for future guidance on deployment and post-COD asset operations.



Utility-scale Storage Developer

100 MW / 2-hour BESS | Texas

Performance Engineering & Reporting

Stem acted as their asset management team, reevaluating balancing routines, LFP block calibrations, energy management system actual power, and dispatch signal distributions for better ESREDP compliance. After our guidance on performance improvements, they are now one of Texas' largest operational standalone lithium-ion BESS projects.

About Stem, Inc.

Stem is a global leader in AI-enabled software and services that enable its customers to plan, deploy, and operate clean energy assets. The company offers a complete set of solutions that transform how solar and energy storage projects are developed, built, and operated, including an integrated suite of software and edge products, and full lifecycle services from a team of leading experts. More than 16,000 global customers rely on Stem to maximize the value of their clean energy projects and portfolios. Learn more at stem.com.

For more information, contact sales@stem.com.

