Value Stack Assessments, Design, and Implementation Solutions

We partner with clients throughout their energy storage projects journey. From the strategic vision and design to implementation and execution of their energy storage projects. We focus on maximizing our client’s first and foremost.

Battery Energy Storage Assessment

We help clients understand the energy storage landscape by reviewing market ready technologies and highlighting the most viable use cases. To achieve or exceed their objectives, we provide feasibility analyses that prioritize storage goals across portfolios and determine optimal potential value stack configurations down to the facility level with associated profitability metrics.

Site Readiness Evaluation

Take ownership of a BESS, EVSE, microgrid or other sets of Distributed Energy Resources (DERs)' impact to your specific facility. We evaluate the viability of sites’ ability to host the storage system of choice and identify various upgrade or control strategies to accommodate the chosen technology. This service can be used to develop initial mechanical and electrical designs for use in a feasibility study or as a basis of design initiating the permitting and interconnection phase of the project.

Resiliency & Grid Independence Design

Storage systems can serve as the technical backbone of your resiliency strategy. We determine the various resiliency levels possible for clients’ facilities from partial or full grid islanding capability to grid-connected power quality improvement potential enabling the selection of a strategic design best for the client.
Key Differentiators

Our multi-disciplinary team's integrated offering uniquely enables us to deliver solutions customized to meet the requirements of your storage project – whether it's a small part of a complex behind-the-meter (BTM) microgrid system or a large standalone front-of-the-meter (FTM) storage system. We have a comprehensive set of insights, tools and know-how to ensure you don't leave any value on the table.

**Independence**

Our team will work with your company to develop a customized renewable energy strategy that aligns with your objectives, risk tolerance and corporate governance.

With the strategy in place, we then execute by finding the best renewable energy options and contract structures that meet your strategic objectives. Our goal is to source the lowest-cost, best risk-adjusted renewable energy to achieve your company’s carbon reduction and financial risk goals.

**Construction & Procurement Know-How**

Our Energy Storage Practice brings a wealth of practical hands-on implementation know-how rather than being based on a purely academic or theoretical advisory offering. We feature a full-service construction oversight and implementation practice balancing our market commercial intelligence with commitment to long-term performance.

**Advanced Analytics**

Through Edison's market fundamentals and analytics coupled with our internal technology platform and our mastery of industry standard design tools, we provide thorough and defensible storage techno-economic analyses, enabling our clients to understand the long-term, multi-factor cost-benefits of various storage design options. Our analyses run thousands of market scenarios for all possible technology options and operating plans, ensuring optimal decision-making, risk management and financial valuations are made when selecting a storage strategy and accompanying technology and financing partners.

**Cross-Functional Market Expertise**

We bring conventional supply expertise and demand side engineering under one roof taking a holistic approach to your storage system strategy. This is especially critical given energy storage value drivers are a complex combination of utility, ISO/RTO programs and wholesale participation opportunities. Our energy storage practice ensures clients can quantify and minimize merchant risk while driving them to the most favorable contract terms.
Case Studies

New Jersey Resources
Evaluation and design of on and off-grid systems with an analysis optimizing combination of probabilistic EVSE fleet charging, stationary BESS design and onsite solar generation. 300MW+ Solar and Wind

Home Depot
Portfolio wide evaluation of hybrid solar plus storage BTM and FTM design and technical solutions. Oversaw a competitive procurement process securing competitive onsite solar plus storage solutions. 17MW+ Solar

New York City Department of Citywide Administrative Services
Site-level evaluation, RFP development and implementation oversight of a solar plus storage system in a complex regulatory environment. 215MW+ Solar

Edison Energy by the Numbers

8.9+
Gigawatts of offsite renewables procurement

5B+
In energy spend managed

600M+
Sq. ft. of facilities optimized through energy efficiency projects

Get in touch

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Global presence in: North and South America, Europe and Asia-Pacific

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