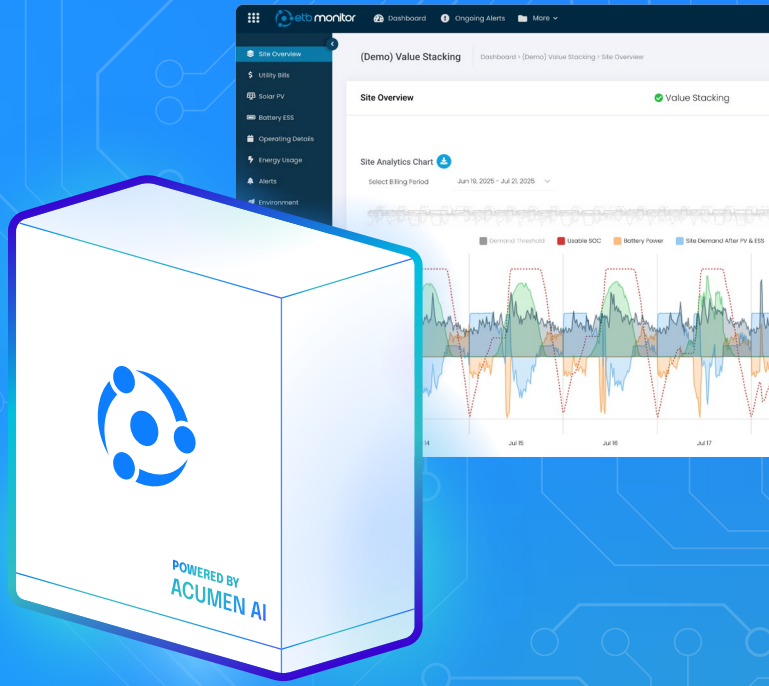
energy toolbase



ETB Controller

Maximize the Value of Your Storage Assets.

The ETB Controller energy management system enables the simple deployment of energy storage, while Acumen AI enhances optimization and delivers unparalleled project economics.

Manage Your Assets with ETB Controller

Achieve maximum economic benefits for your solar and storage assets with automatic AI-enabled value stream and cost management.

One-Stop Shop

Energy Toolbase enables modeling, purchasing, procuring, commissioning, and monitoring for your energy storage systems.

Flexible

Choose BESS hardware from a wide range of integrated Tier 1 energy storage partners that best suits your site's configuration.

Standardized

ETB Controller is designed to support all of the widely recognized industry-standard communication protocols.

Proven Track Record

ETB Controller has a history of successful deployments and is a dependable brand for your projects.

Transparent Controls

Take direct control of several aspects of your storage assets using Operating Schedules.

ETB Monitor Integration

ETB Controller comes with a robust monitoring system for complete transparency into asset performance.

200+

Project Sites

150+

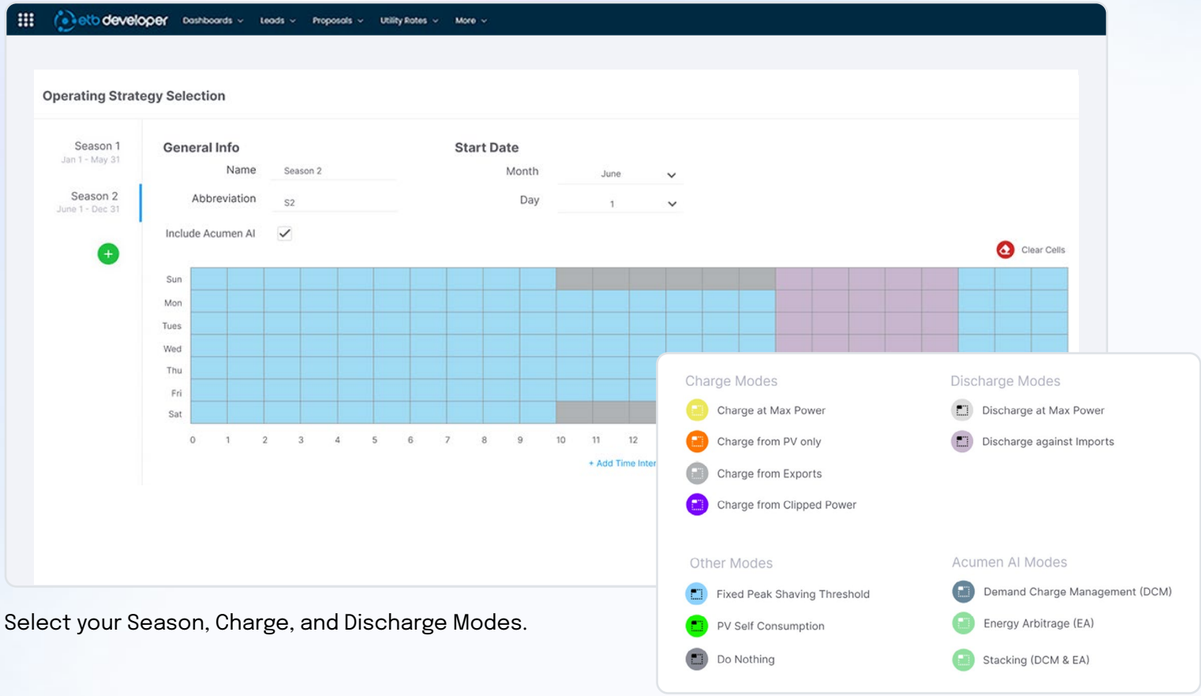
MWh ESS Capacity

20+

States / Provinces

4+

Countries

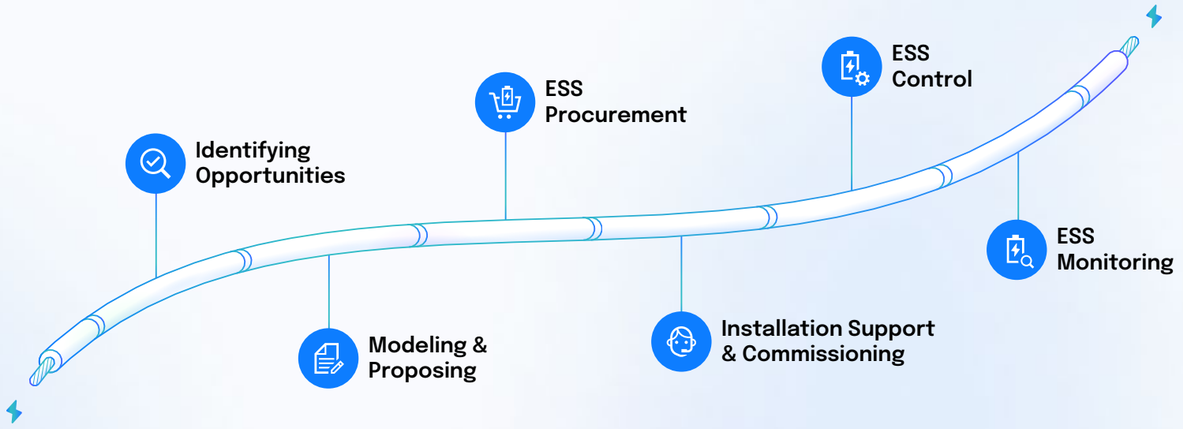


Select your Season, Charge, and Discharge Modes.

Prescribe events on your own with Operating Modes.

Optimize Your Storage System with Acumen AI

Domain Experts at Your Service



Optimized

Receive maximal economic benefit from a variety of value streams that target electric bill savings and grid services revenues.

Forward-Looking

Participate in emerging economic opportunities with optimized battery controls.

Compliance

Operations compliant with OEM warranty and incentive programs (e.g., ITC, SGIP).

Adaptable

Acumen AI adapts to changes in site load, rate schedules, and value opportunities without user input by continuously generating a new optimal plan.

Technical Proficiency

Domain experts with deep technical knowledge of solar photovoltaic systems, energy storage technologies, and grid integration methods.

Regulatory Awareness

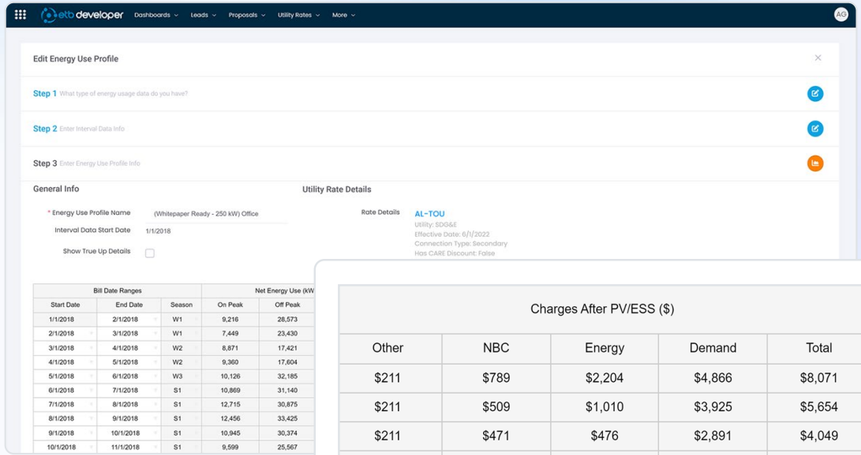
We are well-versed in regulatory frameworks governing energy markets, utility rates, and policies that impact renewable energy.

Financial Acumen

We can help you understand the financial aspects of solar and storage projects including cost analysis, ROI calculations, and much more.

Market Insight

Get insights about market trends, emerging technologies, and industry innovations.

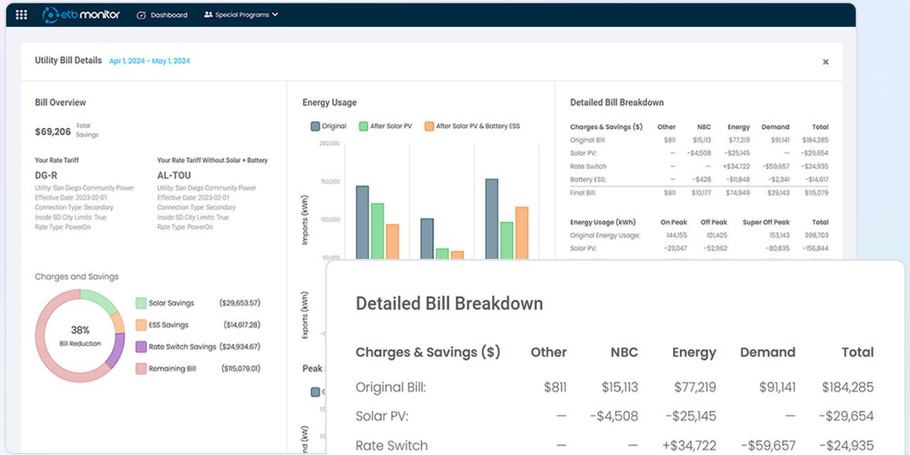


Charges After PV/ESS ($)

Other	NBC	Energy	Demand	Total
$211	$789	$2,204	$4,866	$8,071
$211	$509	$1,010	$3,925	$5,654
$211	$471	$476	$2,891	$4,049
$211	$440	$62	$2,820	$3,532
$211	$570	$546	$3,612	$4,939
$211	$529	$787	$4,370	$5,896
$211	$560	$776	$4,472	$6,020

etb developer

Visualize the projected breakdown of utility charges and savings during the sales and modeling process.



Detailed Bill Breakdown

Charges & Savings ($)	Other	NBC	Energy	Demand	Total
Original Bill:	$811	$15,113	$77,219	$91,141	$184,285
Solar PV:	—	-$4,508	-$25,145	—	-$29,654
Rate Switch	—	—	+$34,722	-$59,657	-$24,935
Battery ESS:	—	-$428	-$11,848	-$2,341	-$14,617
Final Bill:	$811	$10,177	$74,949	$29,143	$115,079

etb monitor

View a transparent breakdown of avoided costs for your operational systems in the field for each billing period.

Integration with ETB Monitor

Savings Simplified

Transparent breakdown of utility bill costs and savings by charge type, before and after the impact of solar and storage.

Analytics & Visualization

View site, solar, and storage interval meter data using easy-to-read charts and graphs.

Demand Response

Full control to schedule the dispatch of your storage assets and group them into virtual power plants for scalability.

Seamless Integration

Easily toggle between applications to compare your system savings, solar generation, energy usage, and rate schedule against the original proposal.

Hardware Configurations

Sophisticated technology in a compact and easy-to-install enclosure.

Our turnkey, fully wired enclosure houses all necessary hardware components in a single unit, ensuring a streamlined installation and commissioning process. Each enclosure is pre-configured for your specific project and application.

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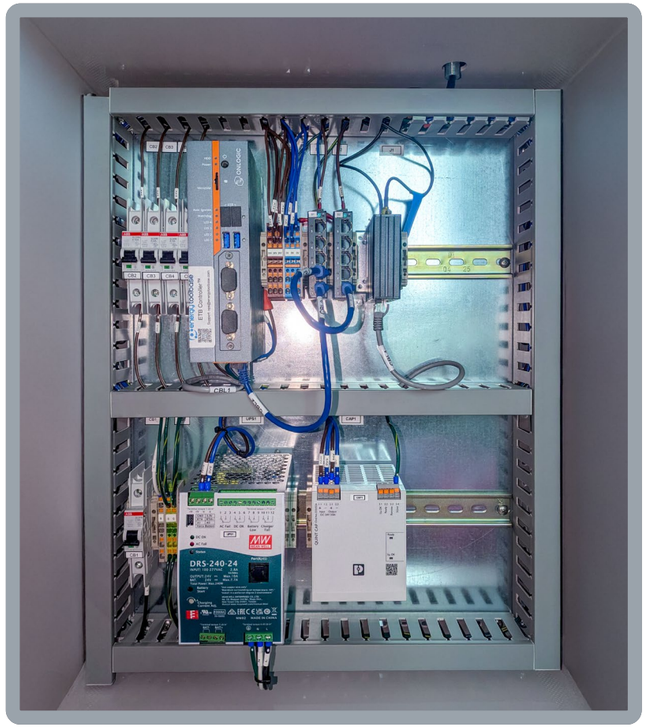
ETB CONTROL CENTER



The Energy Toolbase Difference

The Only End-to-End Software Solution

There has never been a solution on the market that lets developers and project managers model, control, and monitor their projects entirely from one platform, with one company. Our solution empowers developers to efficiently model and deploy more projects.

Industry-Leading Customer Service & Support

Our team provides personalized training and support to tailor our products to fit your needs. We also provide access to our expert rates team, proposal auditing, performance reviews, and more. You will be fully supported by our team, from modeling, to commissioning, and beyond.

Gold Standard Electric Bill & Savings Analysis

We are widely considered the market leader for utility rate and avoided cost analysis of solar and energy storage projects, translating through every step of your project. Easily track your actual savings versus your original modeled proposal.

Client Story

Critical Water Facilities

3.7-Megawatt Hour Energy Storage Portfolio Deployed to Provide Emergency Water Supply for Ventura County.

Location	ESS Provider	Facility Type
Ventura County, CA	Tesla	Critical Water Facilities
Date	**System Size**	**Application**
January 2024	3.7 MWh across 5 sites	Scheduled Dispatch + ESS Optimizer

The Result

99.95% Hardware Uptime

99.98% EMS Uptime

The Challenge

Ventura County needed a solution to keep water pumps running during emergencies for county residents. The 2017 Thomas Fire burned 281,000 acres and cut power to 250,000 residents, shutting off water from the county's electric wells. Ventura Energy sought hardware, software, and an EMS to provide reliable backup capabilities at five critical water facilities and participate in California's DRAM program.

The Solution

Ventura Energy and Energy Toolbase enabled grid participation at the sites, requiring more than standard savings to move forward. Using ETB Controller with Tesla Powerpacks and Megapacks, the systems joined DRAM via Energy Toolbase's partnership with Leap Energy. This pay-as-bid program supports CAISO grid stability, while the performance-based revenue-share model maximizes revenue and bolsters the grid.

Client Story

Public Library

Kentucky Public Library Installs Solar+Storage at New 45,000-square-foot Facility to Offset HighDemand.

Location	ESS Provider	Facility Type
Shepherdsville, KY	Delta / LG Chem	Public Library
Date	**System Size**	**Application**
July 2022	110 kW / 220 kWh	ESS Optimizer with Acumen AI

The Result

100% EMS Uptime

129.51% Modeled Savings Achieved

The Challenge

Bullitt County, Kentucky's growth led to the need for a larger Central Library. The new 45,000-square-foot facility boasts environmentally friendly features, including geothermal heating, LED lighting, a 240 kW solar array, and a 110 kW ESS. Its size placed it on Louisville Gas & Electric's TODS rate, which includes three demand charges totaling nearly $21/kW, along with ratchets that raise monthly costs.

The Solution

A Delta LG Chem 110 kW ESS with ETB Controller controls software was installed to manage demand charges, using advanced machine learning algorithms to forecast load and shave demand peaks, improving over time as usage data accumulates. Once the building reaches full operation and energy patterns are established, the solar + storage system may support a rate switch to further reduce costs.

Get started today!

Scan here to schedule a call
with our energy storage professionals!

www.energytoolbase.com
(866) 303-7786