ETB Monitor

COMPLETE TRANSPARENCY OF YOUR SOLAR & STORAGE ASSETS

A robust monitoring platform that’s directly connected to your modeling and control software for an end-to-end software experience
END-TO-END PLATFORM

Energy Toolbase is an industry-leading software platform that provides a cohesive suite of project modeling, storage control, and asset monitoring products that enable solar and storage developers to deploy projects more efficiently.

- **MODEL**
  - **ETB DEVELOPER**
    
    Gold standard, industry-leading software platform for modeling and proposing the economics of solar and storage projects.

- **CONTROL**
  - **ACUMEN EMS™**
    
    Intelligent control system software utilizing machine learning and AI to forecast and optimally discharge energy storage systems.

- **MONITOR**
  - **ETB MONITOR**
    
    Complete transparency into the real-time operation, performance, and savings of your solar and storage projects.
FEATURES & FUNCTIONALITY

**Figure 1:** Visualize Actual vs Expected Solar Generation

**Figure 2:** See Detailed Energy Storage System Analytics

**END-TO-END**
End-to-end platform allowing you to quickly compare system performance to ETB Developer sales proposals.

**INTEGRATED PROPOSALS**
Closeout proposals in ETB Developer and create sites within ETB Monitor using proposal data.

**TRUSTED BILL CALCULATIONS**
Savings analysis powered from the same ETB Developer savings engine and extensive database of 100,000+ rates.

**INTEGRATED WITH ACUMEN EMS**
System specs and configurations seeded directly from your ETB Developer proposal. Full ESS monitoring and management.

**DEMAND RESPONSE**
Full control to schedule dispatch of your storage assets. Group your assets in virtual power plants for scalable asset management.

**NEW! SOLAR MONITORING**
Now available for solar-only projects! Compare actual solar generation to expected generation and see detailed solar electric bill savings.
View a precise breakdown of utility rate charge types (e.g., energy, demand, NBC’s, other), based on your customer’s rate tariff.

View a transparent breakdown of avoided cost of your operational solar & storage systems in the field, for each billing period.
SITE ANALYTICS & VISUALIZATIONS

Visualize interval meter data (e.g., site load, PV production, ESS dispatch) during the sales & modeling process to precisely quantify cost & bill savings

Transparently view site metered data via our visualization tool to understand system performance & validate the quantified avoided cost of operational systems
HARDWARE CONFIGURATIONS

Our turnkey, fully wired enclosure houses all of the necessary hardware components in a single box, enabling a streamlined installation and commissioning. Pre-configured for the specific project and application.

- Turnkey
- Rugged Outdoor Enclosure
- Revenue Grade Metering
- LTE 4G as an Option

Acumen Control Center

Our full-featured monitoring solution comes standard when deploying our Acumen EMS controls software. Real-time insights into the operational performance and savings of your solar + storage systems.

PV Only – Monitoring

Our solar PV-only monitoring solution can be deployed onto any existing or upcoming project. Complete transparency into your PV systems performance, and the corresponding avoided cost achieved.
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 and with one company. Empowers developers to model projects more efficiently 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 that translates through every step of your project. Track your actual savings versus your original modeled proposal.