



GridBeyond®

Designer

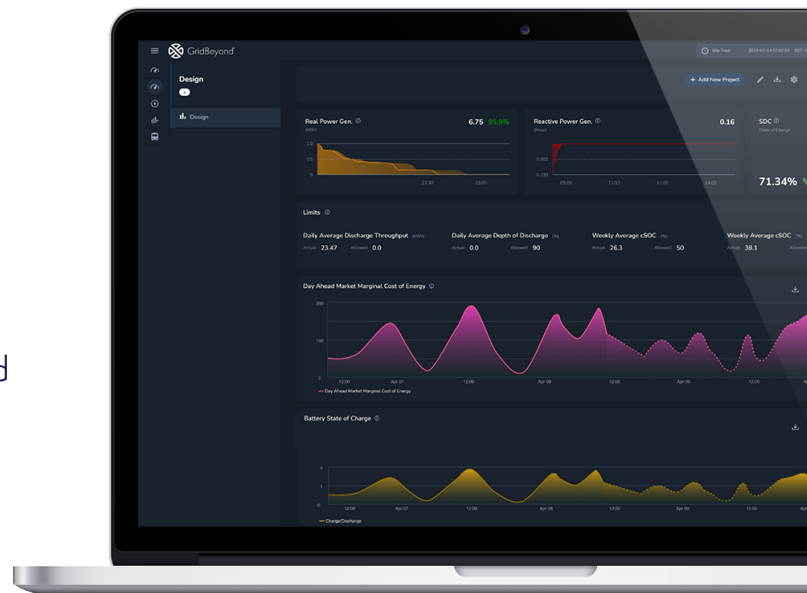
A powerful tool to assist project developers in planning, designing, and analyzing prospective investments in the energy sector.

The Opportunity

Designer helps energy professionals and project developers plan, design, and analyze prospective investments.

Using historic and forecasted energy prices, load and generation profiles, and other site-specific factors, Designer seamlessly evaluates thousands of project configurations. Using GridBeyond's AI models, Designer isolates the optimal designs and operational strategies to maximize profits while meeting environmental and operational targets.

Designer simulates both front- and behind-the-meter distributed energy resource projects in all wholesale and retail energy markets. No detail is too small! We customize our models for your site – based on those key factors that drive your investment.



Solution Overview

GridBeyond's platform harnesses the power of AI to revolutionize how distributed energy assets are being monetized. Through intelligent, real-time energy design, forecasting, optimization, and control, and innovative funding options, you can unlock the full potential of your energy storage and renewable portfolio.

With GridBeyond's solutions you can deliver energy with unparalleled reliability and efficiency, while simultaneously addressing the commercial aspects of your portfolio, as you accelerate the mission to end global dependence on fossil fuels.

Key Benefits



Bankable results

Develop scenarios to stress-test project viability using the AI engine to generate synthetic prices, run Monte Carlo simulations, and parametric sensitivities.

Our vetted process produces investment grade results with the click of a button



Maximize Revenue

Harness AI models to forecast price, demand, renewable power generation, and other time series data using Forecaster to ensure that all revenue streams are maximized.



Remove Complexity

No matter your use case—whether retail or wholesale, facility or merchant – Designer is customized for your site. Identify and optimize all the factors that drive project performance.

How It Works

Plan, design, and evaluate numerous project configurations to simulate revenues in all wholesale and retail energy markets. With GridBeyond's green project planning solution, Designer, you have the flexibility to address challenges at your own pace. Tailor your approach based on your specific goals, timelines, and budget.

Use AI to optimize DERs profitability, site performance, and available revenue streams in 15-minute increments. Forecast energy prices, demand, and generation for each site meter, building, and facility using Forecaster and run physics-based simulations to model achievable technological performance, ensure projects maintain their warranty, and remain ITC-compliant.

Our adaptable solutions puts you in control as you navigate the path to success.

Use an API to query site-specific historic wholesale market data and/or retail bill data to predict project revenue.

Use stochastic sensitivity analysis to analyze how project drivers like capital costs, operations & maintenance, and financing structures affect project design.

Simulate detailed project returns to analyze KPIs like net present value, net revenue, and ESG goals.

Generate bankable pro formas and track energy in/out flows for each scenario and/or cross match with analysis performed by other third parties.



Why GridBeyond

Experience

Backed by a decade of successfully delivering energy solutions worldwide, we know what it takes to unlock the full potential of your energy storage.

Innovation

AI, machine learning, and energy experts are the foundation of our identity, empowering us to pioneer transformative solutions that revolutionize the energy industry.

Flexibility

With modular solutions designed to meet customers exactly where they are, we empower them to navigate the energy industry with ease and embrace growth opportunities on their own terms.

Integrity

We prioritize transparency with our data and modeling, standing firmly behind our solutions, providing steadfast support and accountability when challenges arise.

ABOUT GridBeyond

GridBeyond is a global market leader in battery management and energy trading solutions for industrial, commercial, institutional, and utility partners

By Numbers

500+ Customers across
600+ Sites

~1,500+ MW DR portfolio
(75% growth per annum)

400MW of batteries under
management

200+ man years in Platform
Development

120 team members across
6 Offices