



G4U

Building Performance, Proven.

AI ENERGY MANAGEMENT / PRODUCT SHEET

Turn operating data into better energy decisions.

An energy-specific intelligence layer connects metering, analysis and operating knowledge to a practical decision workflow for existing buildings.

01 Understand the building

Explore electricity, water and cooling use. Check data quality and energy balance, and navigate system performance through clear 2D logical views.

02 Investigate and plan

Develop diagnostics, root-cause evidence, load forecasts, what-if scenarios and prioritized energy conservation measures through the advanced deployment roadmap.

03 Track actions and verify value

Connect Energy Actions, approved baselines, measurement and verification, performance commitments and reports within one evidence-led product design.

A useful assistant, connected to professional tools

Ask why energy use changed, compare operating periods, investigate equipment performance and prepare an action or report with supporting evidence.

Start with the building's data and decision needs.

Define the first analytical use cases, equipment scope and acceptance plan.

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AI ENERGY MANAGEMENT / CONFIGURATION AND ACCEPTANCE

Reusable engineering logic. Site-specific configuration.

Current foundation: established platform capabilities, energy metering and basic analysis. Advanced energy functions follow a defined deployment roadmap, with site testing and acceptance for each capability.

Hybrid intelligence

Professional tools use physics, engineering rules, robust statistics, change-point regression, gradient boosting and constrained optimization. Local analysis runs frequently; local or cloud language models investigate selected events and daily or weekly reviews.

Equipment-family Model Packs

Whole-building meters; chillers; chilled- and condenser-water pumps; cooling towers; AHUs; fresh/exhaust air; and common-area terminals. Reuse semantics, constraints, methods and tests, then calibrate the site's topology, parameters and data tier.

Scope and acceptance

Agree data quality, baseline reproducibility, diagnostic backtests, assistant evidence, permissions, shadow trials and recovery tests. Activate capabilities as each acceptance gate passes. Formal numbers come from versioned tools; approved intent is executed by separate site controls.

Connect to adjacent systems without duplicating them

IoT hardware, FM/work orders, IBMS, interfaces, specific control implementation and 3D digital twin are separate product-family layers. The AI core uses their agreed data and operating feedback.