

Existing Buildings Commissioning

YOUR PROJECT CHALLENGES

EXISTING BUILDINGS PERFORMANCE OPTIMIZATION

Pinpointing the cause of increasing energy usage often eludes building operators. While well-acquainted with building systems and controls, facilities staff often lack the time and tools to identify and prioritize energy-saving opportunities. Systems with poor energy performance also typically lead to operational headaches, further burdening facilities staff.

SOLVING CHRONIC SYSTEM PERFORMANCE ISSUES

Persistent issues in existing buildings frequently deplete staff resources and foster user grievances. When faced with these problems, contractors tend to apply short-term fixes, while engineers often suggest wholesale system replacements. Neither approach includes a thorough analysis of potential improvements within the existing systems.

ENERGY MANAGEMENT TECHNICAL ASSISTANCE FOR FACILITIES TEAMS

Many facilities, even large ones, often lack personnel experienced in energy management and diagnostics. Even with best intentions, staffing levels in areas key to efficiency have not kept pace with the rising systems complexity and regulatory demands. Energy management is often seen as an "extra" that gets eliminated under budgetary pressures and finite resources.

SYSTEMS INTEGRATION, BAS CONTROLS, & INDUSTRIAL IoT

Building control technology is rapidly expanding beyond the current, entrenched model. Emerging "Industrial Internet of Things (IIoT)" alternatives are disrupting the customary business model and appear especially promising for smaller and mid-sized buildings. However, navigating the rapidly evolving landscape of next-gen building controls can be overwhelming.

OUR CONSULTING VALUE

Through a streamlined version of the retrocommissioning process, we evaluate building performance using data analysis, site inspection, and in-depth discussions with building operators who know their systems best. We produce a set of actionable recommendations focused on saving energy and improving system reliability while maximizing ROI.

We tackle chronic operating challenges holistically through detailed system review, discussions with operators and contractors, and functional controls testing. We can often diagnose the root cause of complex hardware and/or building control issues and generate long-lasting and cost-effective solutions.

Our energy services consulting is adaptable, scalable, and integrates well with existing team workflows. We act as a technical resource "on-call" to guide facilities teams for best practices in building systems efficiency. We also periodically review energy performance to identify and investigate anomalies, reducing detection time and hastening resolution.

By continually tracking the latest BAS and IIoT advancements, we assist clients in identifying, acquiring, and implementing best-of-breed technology. Our emphasis on open standards, data portability, and system interoperability ensures that the integrated systems we recommend are resilient and future-ready.