Energy Targeting Program

Sharpen Your Focus

Are you committed to reducing your energy use? Are you actively searching for ways to achieve deeper cuts in energy costs and carbon emissions?

Monitoring and Targeting (M&T) is a powerful model-based analytical approach that magnifies relationships between data and provides enhanced data resolution for managing energy use and isolating waste and inefficiency.

The data context created by M&T gives you powerful information for strategic energy management:

- **Reduce Energy Consumption.** Your M&T information isolates those operational changes and capital investments that can deliver deeper cuts in energy use. Reduced consumption translates into lower energy costs, increased profit, and decreased carbon emissions.
- **Maintain Equipment.** Monitor ongoing trends in the consumption of specific equipment. Investigate changes in performance and, as necessary, perform maintenance to ensure optimal operating of equipment.
- **Calculate Return on Investment (ROI).** Validate the ROI for audit recommendations and equipment upgrades. Hold energy performance contract suppliers accountable to their commitments.
- **Track Performance.** Create realistic and repeatable benchmarks for a building, process, or shift.
- **Improve Energy Budgeting.** Leverage your energy models to create energy budgets that are tied to weather, production, and building quality of service forecasts.

Make Better Energy Decisions

EnergentET is an energy information solution with M&T at it's core. EnergentET leverages historical energy data (collected by EnergentEMIS) and applies various statistical techniques to create an enhanced context for data analysis.

- **Advanced Monitoring.** Incorporate gross-metering and sub-metering data (production or entity usage factors), as well as additional inputs such as weather data, product mix data, and/or inventory levels.
- **Energy Performance Modeling.** Our modeling engine analyzes your past energy use data for a given process and creates a historical baseline ("what is expected") as well as a target ("what is possible"). Future energy use is compared against the baseline and target to highlight good or bad performance. Our Energy Analysts ensure your models are accurately maintained over time.
- **Real-Time Event Notification.** Clients are notified of unexpected consumption levels (by email, pager) to enable immediate action.
- **Trend Analysis & Interpretation.** Dedicated Energy Analysts assist with data interpretation (trend analysis, CUSUM, etc) and decision support.

EnergentET Program Phases

When you engage our services, we become your partner in energy efficiency. Together, we work through the following phases to implement a customized energy management information system (EMIS) for your facility, to develop models and targets for key meters and, following that, to support your effective use of this information system.

Phase 1: Assessment

The goal of this phase is to estimate, with reasonable accuracy, the scope of system required for effective monitoring and targeting at your facility. During this initial phase we:

- Assess your facility to sufficiently understand your operations and underlying energy data flow, and
- Produce a customized proposal describing how our program would integrate with your operations and effectively support your energy conservation initiatives.

Phase 2: Installation & Configuration

Once you've contracted our services, our efforts focus on implementing the system outlined in our proposal to you. The following steps initiate the required EnergentEMIS data collection and reporting system:

- Install the UDL devices and meters (as required),
- Integrate usage factors (i.e. production rates, occupancy) into this collection system,
- Validate results against other data sources (i.e. utility bills, utility data), and
- Deploy our standard EnergentEMIS and EnergentET reporting suites and configure them to your client-specific needs.

With data flowing and reports created as intended, process modeling and baseline creation are developed for each process being monitored. Your energy information is now ready for use.

EnergentET Program Phases

Energy Used In Your Facility

Assess — Phase 1

Install / Configure — Phase 2

Active Conservation — Phase 3

Continuous Conservation — Phase 4

Up to 20% of Energy is Wasted

Time

Phase 3: Active Conservation

Active conservation involves the:

- Close monitoring of your data,
- Analysis of real-time consumption data against defined baselines,
- Isolation of improvement opportunities, and
- Taking action to make procedural changes and realize energy savings.

With accurate, reliable energy information about your processes, and realistic models to compare your ongoing performance against, together we'll uncover numerous opportunities for improved energy efficiency.

Phase 4: Continuous Conservation

This final phase focuses on sustaining your hard-earned energy savings over time. Continuous monitoring, targeting, and reporting ensures ongoing process changes, personnel changes etc., do not adversely affect your consumption levels. During this phase, capital projects to further reduce energy use are recommended. Your monitoring system will demonstrate the amount of energy savings these investments deliver to your bottom line.

Learn More

To learn more about our EnergentET program, please contact us today. We welcome your questions!

www.energent.com