OptimumHEAT®

Systems-level optimization for your boiler system needs
OptimumHEAT is patented, state-of-the-art configurable control software providing continuous, system-level optimization of boiler plants. Patented relational control algorithms calculate the most efficient operation of an entire boiler system and automatically calculates the most efficient operation of boilers and pumps. The technology dynamically optimizes system performance in real time, delivering energy and cost savings of up to 50%—while maintaining superior occupant comfort and maximizing safety.

OptimumHEAT learns how boiler systems perform and uses this data to improve overall plant efficiency
OptimumHEAT learns how boilers perform in a variety of operating conditions. Demand-based relational control algorithms optimize hot water and steam systems, develop optimal equipment combinations and sequences for maximizing system efficiency, and route these recommendations to the Building Automation System (BAS). OptimumHEAT is the most powerful hot water and steam system optimization solution available, staging boilers to operate at their “sweet spot” for optimum performance, and prolonging the life of plant equipment.

Maximum operational flexibility while maintaining safety
OptimumHEAT employs real-time machine learning, which leads to improved performance algorithms over time. Your system becomes “smarter,” and more efficient while safety is maintained.

OptimumHEAT® Benefits
- Automatically, continuously optimizes boiler systems in the most holistic, intelligent manner
- Delivers consistent savings across industries, settings and control systems
- Streamlines operations and lengthens equipment life
- Data-driven HVAC optimization that learns and adapts over time significantly lowers operating expenses while increasing safety and reliability
- Sustainably reduces energy use by up to 50%

True Optimization® Starts Here.
The OptiCx® platform

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ABOUT OPTIMUM ENERGY
Since 2005, Optimum Energy’s patented software and engineering expertise has helped customers reduce energy use in heating and cooling systems, the largest consumer of energy in buildings, by up to 50%. The OptiCx® platform combines technologically advanced HVAC optimization software with world-class expertise in system design and operations. It’s a proven, measurable approach that verifiably reduces resource usage—water, electricity, and natural gas—while providing detailed insights into how building systems are operating. The result is vastly improved operating efficiency, increased energy savings, and reduced carbon emissions.