HOW ONE UNIVERSITY ENERGY MANAGER DELIVERED $600,000 IN SAVINGS WITHIN SIX MONTHS

PROJECT AT A GLANCE

Facing rising costs and limited visibility across 2.7 million square feet, the University of Iowa transformed its operations with Schneider Electric's EcoStruxure Building Advisor powered by Clockworks Analytics. Deployed by Basepoint Building Automation (formerly CI3), a Schneider Electric Master EcoXpert Partner, the solution delivered exceptional results within six months: over 1,800 analyses, identified 600+ issues, and drove $600,000 in energy savings. By integrating analytics into daily maintenance workflows and forming an internal resource group, the university shifted from reactive fixes to proactive, data-driven efficiency, creating a scalable model for smarter campus operations.

$600K
SAVINGS IN 6 MONTHS

1,800+
ANALYSES COMPLETED

24%
OF WORK ORDERS AUTOMATED

592
TOTAL ISSUES RESOLVED

CHALLENGE *When Traditional Maintenance Falls Short*

The University of Iowa's facilities team was caught in a reactive cycle: constantly responding to equipment failures and comfort complaints across a 2.7 million–square–foot campus. An initial attempt to build their own FDD system revealed how difficult it was to scale fault detection with limited visibility and resources.

To move from firefighting to proactive maintenance, the team needed a powerful, scalable analytics solution.

SOLUTION *Uncovering Hidden Opportunities*

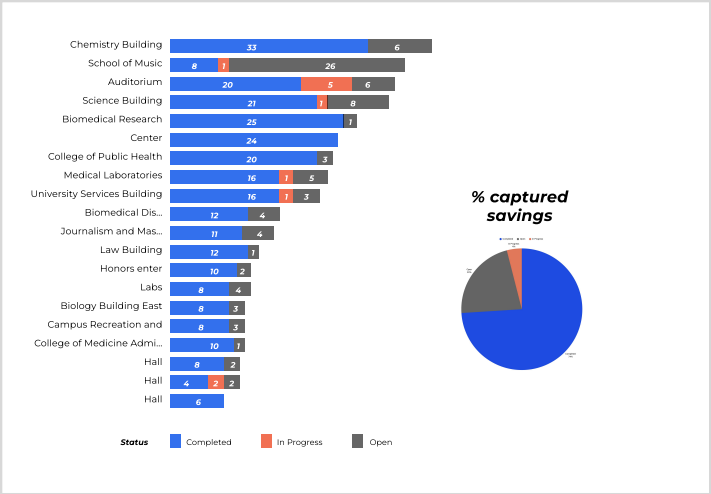
By deploying Clockworks Analytics across campus, the University of Iowa gained real-time visibility into system performance that traditional monitoring couldn't provide. Within just six months, the platform delivered over 1,800 analyses and uncovered inefficiencies that led to $600,000 in energy savings. Continuous monitoring of HVAC systems—air handlers, pumps, and chilled and heating water networks—enabled the team to detect and resolve issues early.

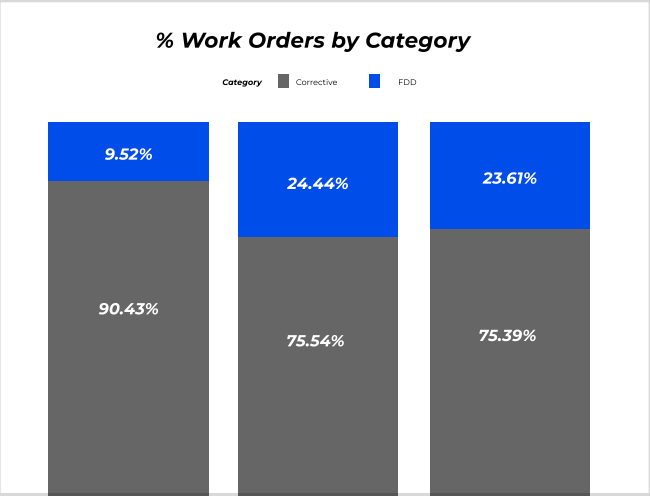
With 24% of quarterly work orders now generated proactively, the university shifted from reactive maintenance to a strategic, data-driven approach that improved efficiency, comfort, and long-term performance.

RESULTS *From Data to Dollars*

The University of Iowa drove analytics adoption by embedding Clockworks directly into existing maintenance workflows. Integrating it with their CMMS ensured fault detection insights appeared as familiar work orders—making analytics part of the daily routine.

By enhancing, not disrupting, established workflows, Iowa turned data into everyday operational value.





IMPACT *Beyond Energy: Expanding into Operational Excellence*

The University of Iowa redefined what fault detection and diagnostics can do, transforming Clockworks from an energy tool into a strategic operations platform driving data-based decisions across their entire facilities organization.

Key Outcomes

- **Proactive Maintenance:** Replaced time-based schedules with diagnostics that pinpoint real issues.
- **Smarter Resource Use:** Guided capital planning, commissioning, and incentive programs with FDD insights.
- **Sustainable Operations:** Formed an Analytics Resource Group to turn data into consistent action.

With leadership support and a culture that embraces experimentation, Iowa achieved over $600K in annual savings within six months, proving analytics can pay for itself many times over.

The Takeaway

By integrating analytics into daily workflows and empowering teams to act on insights, the university created a scalable, financially sustainable model for proactive operations—one that turns building data into long-term institutional advantage.

ABOUT CLOCKWORKS ANALYTICS

Clockworks Analytics is a leading fault detection and diagnostics (FDD) solution that transforms operational data into actionable insights. Our platform uses advanced data modeling to automatically detect BAS faults, diagnose root causes, and prioritize issues, enabling facility managers, engineers, and service providers to optimize performance, reduce costs, and focus resources where they matter most.