

CASE STUDY

Optimizing Campus Energy & HVAC Efficiency with ITHENA's Ignition-Based Smart Infrastructure

Client Profile

A leading university operating a large and diverse campus committed to delivering high-performance facilities and sustainable outcomes.



ITHENA's Ignition platform has transformed how we manage our campus infrastructure. From energy savings to improved occupant comfort, it's enabled our facilities team to operate smarter and more sustainably, while creating a better environment for everyone on campus.

- Director of Campus Operations

CHALLENGES

The client struggled with:

- Limited visibility across disparate building systems (HVAC, lighting, security, energy metering)
- Inability to monitor and optimize operations from a centralized platform
- Increased energy costs due to inefficient system management
- Inconsistent environmental control impacting operational efficiency and occupant comfort

SOLUTIONS

The client partnered with ITHENA and implemented the Ignition platform:

1

Integrated Smart Infrastructure

Unified HVAC, lighting, energy meters, and other building systems into a single control platform

2

Centralized Monitoring & Alarming

Provided real-time visibility and automated alerts across all facilities

3

Energy Optimization Tools

Enabled dynamic load balancing and real-time tracking of consumption patterns

4

Predictive Maintenance

Leveraged real-time system data to monitor performance trends, enabling proactive maintenance



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OPPORTUNITY FOR IMPACT

18%

Reduction in energy costs

82%

Decrease in manual adjustments

100%

Centralized control and alarming