CONNECTED POWER GETS THE STRESS TEST

With Honeywell Connected Power, we were pretty sure we had hit on a groundbreaking way to capture energy savings that were hiding in plain sight. But we also wanted to know if it could help avoid a costly emergency. A key partner helped us push it to the limit.

Case Study

BUILDING CONTROLS & SOLUTIONS

Honeywell

CONTROL POWER CONSUMPTION AT THE OUTLET

Enterprise Controls Group, serviced through Diamond Distributor Building Controls & Solutions, is a premier building automation systems and service company that employs highly skilled enterprise building automation services to customers throughout the greater Cleveland area. A team well equipped to design, implement and maintain the most complex building automation systems, they've been an important Honeywell partner for years. So when Honeywell needed to demonstrate the promise of Connected Power by automating energy consumption at the plug load, ECG's experts provided valuable insights, and welcome validation.

THE NEEDS

- A system that allows centralized scheduling and control of power at the outlet
- Visibility into energy use overall and at the individual receptacle
- Overheating and fault detection at the outlet
- BMS integration with the Honeywell Optimizer suite
- Strong cyber protocols for the mesh network to ensure connected outlets and hubs aren't a cyber vulnerability

THE SOLUTION

Enterprise Controls Group wanted to test the functionality of Connected Power and get proof of concept. Since their offices are a typical application for a smart solution like Connected Power, they wanted to show-and-tell customers at their site.

As it happened, a recent customer had experienced a plug-related fire at their site, so the safety features became of particular interest. The ECG team tested the Connected Power outlet's safety threshold by load testing. A coffee pot was turned to its highest wattage setting, then someone used a nearby induction water heater plugged in to the same outlet, overloading the safety setting. The outlet turned itself off before overheating.

THE OUTCOMES

ECG reported that installation went very well. Everything installed much like a standard outlet, and commissioning was no problem. ECG set the system up on Honeywell Optimizer Suite, running a standard Niagara station on a laptop and pulling the devices in as bacnet. The Connected power hub was wired in to the IT closet using line voltage.

Honeywell Connected Power brings outlet-level control to your existing building management system, with the ability to schedule outlets to be turned off after hours, harnessing significant savings. You can review your total energy use at any time, and with the addition of Honeywell's cloud-based supervisor, **Remote Building Manager,** you get extended dashboards for control and analytics across multiple sites.

For More Information
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