Transforming how you manage and optimize building energy costs without sacrificing occupant comfort

Honeywell helps building and real estate portfolio managers access and utilize HVAC systems data and gain visibility and control over building systems by leveraging advanced internet of things (IoT), analytics, and machine learning technologies. The **Honeywell Forge Energy Optimization** solution agnostically connects diverse building systems, normalizes performance data, and uses a combination of edge and cloud intelligence to generate insights with speed and precision that cannot be replicated through human effort. By studying energy consumption patterns and continuously and autonomously adjusting systems to drive energy savings without sacrificing occupant comfort—we are transforming the way building portfolios are managed.

Honeywell | Microsoft

Honeywell Forge Energy Optimization

The simplest, fastest way to gain energy efficiencies while protecting occupant comfort
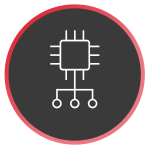
Connect & collect data
Establish a single, secured connectivity strategy between all systems and buildings.
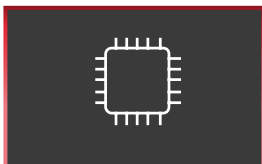
Optimize operations
Leverage centralized **autonomous control** to correct inefficiencies at scale.

Deliver intelligence
Visualize energy consumption, savings, and occupant comfort insights.

- **Deploy a system-agnostic solution fast** that can auto-discover and consolidate data from any HVAC system or BMS.
- **Apply machine learning models** to analyze energy consumption, system performance, and comfort data against occupancy data, weather data, and energy prices to identify opportunities for efficiencies.
- **Enable autonomous solutions** with the ability to send control messages from cloud-based applications to the edge.
- **Measure performance** by periodically running the original strategy to compare results using smart tools.
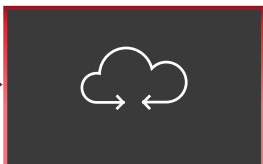- **Employ a secure solution that scales** as your needs change or your buildings or portfolios grow.

Easy deployment

The system-agnostic solution can auto-discover and seamlessly connect to any HVAC system or BMS within minutes

Smart connectivity

It also captures expected occupancy data, weather data, energy pricing, and comfort targets
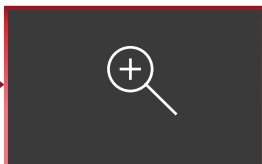
Powerful cloud

Use machine learning to analyze and combine data with deep learning about building and system dynamics

Business optimization

Enable autonomous control by sending messages back to the BMS to make automatic adjustments at regular intervals (every 15 minutes, minimum)

Actionable insights

Generate and visualize meaningful insights in a web-based dashboard to drive centralized and remote data-driven decisions

About Honeywell

Honeywell is a Fortune 100 technology company that delivers industry-specific solutions that include aerospace products and services; control technologies for buildings and industry; and performance materials globally. Its technologies help everything from aircraft, buildings, manufacturing plants, supply chains, and workers become more connected to make our world smarter, safer, and more sustainable.

Ready to save time and money by optimizing your HVAC operations?

→ For more information, contact
    connectedbuildingforge@honeywell.com

→ Learn more about
    Honeywell Forge Energy Optimization

→ Learn more about Azure IoT Hub