DATA INSIGHTS REDUCE PLUG-IN ENERGY WASTE

When Impulse Leisure sought to lower operational costs across its facilities, it deployed connected electrical outlets from Honeywell that can be monitored and controlled from a simple dashboard, enabling it to understand how electrical equipment is being used and leverage those insights to generate savings.

Case Study

Honeywell Connected Power has already covered its up-front cost and is yielding additional savings through ongoing energy reduction measures.

KARL HAYES, MANAGING DIRECTOR IMPULSE LEISURE

Honeywell

ENERGY SAVINGS DRIVE A MORE EFFICIENT LEISURE BUSINESS

Impulse Leisure's fitness, golf and entertainment facilities are beloved by locals in Thurrock, Essex. As such, its electrical equipment gets a lot of use.

To reduce energy costs, Impulse Leisure first needed to understand the power consumption and usage of each piece of equipment in its inventory. The solution? Honeywell Connected Power.

THE CHALLENGE

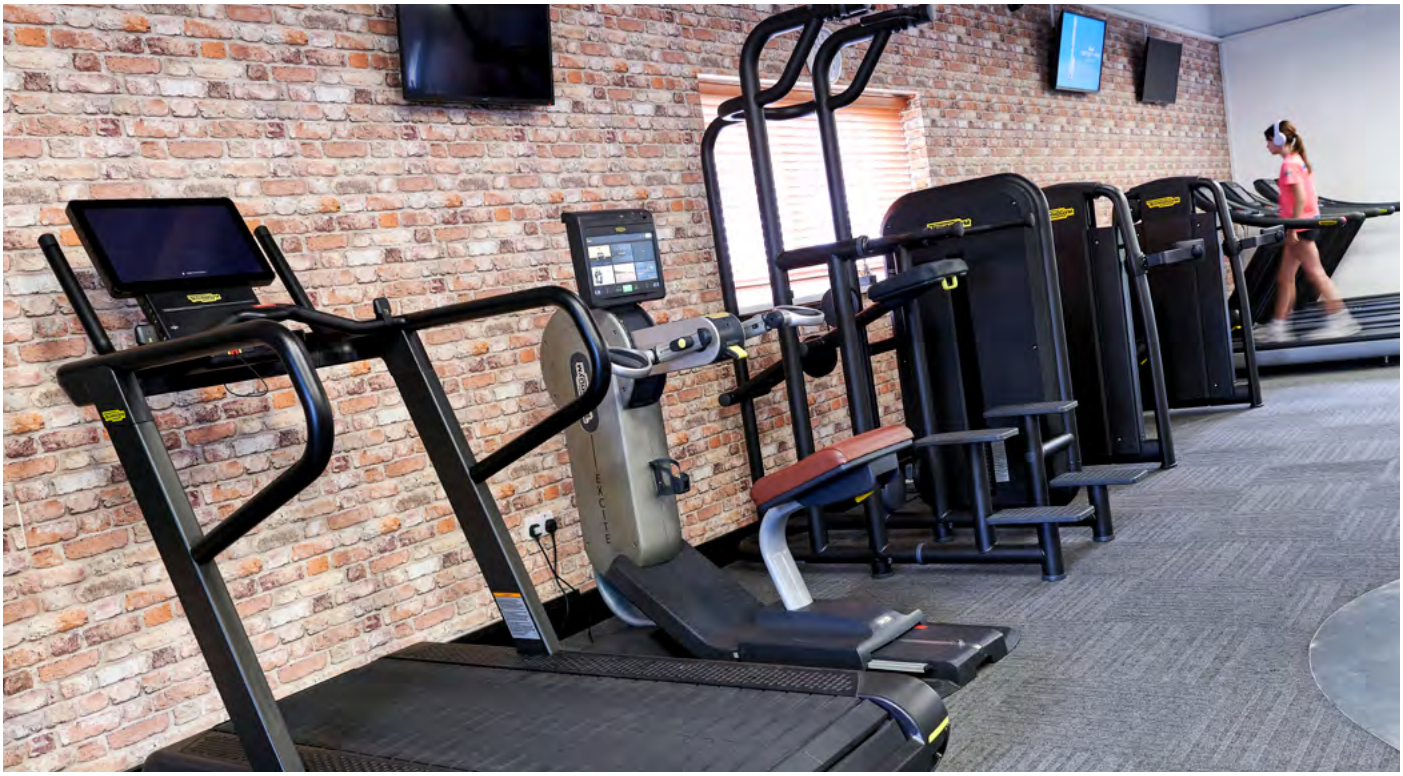
- Increase operational efficiency and sustainable practices at Impulse Leisure locations
- Capture data on the power consumption and usage of plug-in equipment
- Harness data insights for informed decision-making

THE SOLUTION

To reduce energy costs at its Corringham and Blackshots leisure centres, Belhus Park Golf Club and Civic Hall event centre, Impulse Leisure continually reviews technologies and best practices that can help it achieve its goals.

After introducing energy-saving measures such as solar panels, the company turned its attention to the high running cost of its plug-in electrical equipment. Its properties contain a wide range of devices of varying ages – from cross trainers, treadmills and exercise bikes to vending machines, televisions, lights and kitchen and bar appliances.

Impulse Leisure needed to understand the power consumption and usage patterns of every device before it could make informed decisions to reduce costs. But how?



After a recommendation from a business connection, Mark Couldridge, Impulse Leisure's Centre Manager, decided to test Honeywell Connected Power as a system to monitor, manage and automate power usage at plug level.

The company's first experience with the system was positive: it was quick and easy to install.

Connected Power was initially used to automate shut offs to plug-in equipment after business hours at two Impulse Leisure locations. At the Corringham gym, for example, 40 pieces of exercise equipment were switched off nightly, reducing energy costs during that time by more than 91%.

Connected Power also reveals business cases for getting rid of equipment. For instance, when data revealed significant ongoing energy loss from the swinging doors of bottle coolers at the Belhus Park Golf Club bar, more energy-efficient, sliding door models were purchased to replace them.

Now Couldridge is turning his attention to further daylight energy reduction measures: "Connected Power provides us with energy consumption data on every piece of equipment across all our properties every half hour. That enables us to see where 'hot' and 'dark' spots are and implement controlled shut offs during the times of day we know traffic will be lighter."

THE OUTCOME

- Reduces after-hours energy use at the Belhus Park Golf Club by 97%*
- Lowers energy use at the Corringham leisure centre by 91%* when the facility is closed
- Controlled sockets at the two sites reduce total energy use across a 24-hour period by an average of 63%*
- Automated data insights on power consumption and usage patterns for every plug-in device reduce the potential for human error
- Data drives informed operational interventions and purchasing decisions

* A 4 week baseline was taken between August and September 2024

Scheduling was then implemented through the Connected Power module in Trend IQVISION for a further 4 weeks and averages taken.

Discover the key insights and energy savings your commercial building can achieve with Honeywell Connected Power.

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