

NoWatt Case Study

The Customer: AECOM

AECOM, formerly Faber Maunsel | AECOM, is a global provider of technical and management support services to a broad range of markets. With more than 43,000 employees worldwide, AECOM provides a blend of global reach, local knowledge and technical excellence in delivering solutions to clients.

The Challenge

In the energy sector, AECOM's specialist teams work closely with energy-conscious clients such as Pizza Hut to review their operations and propose strategies to reduce energy consumption. "Our clients are looking for ways to cut their spending, especially in these tough economic times," explains Richard Groves, Engineer at AECOM. "By helping them to reduce energy consumption, we help them save money – it's as simple as that."

However, as AECOM's clients are often faced with competing priorities, making the necessary behavioural changes to reduce costs and save money is not always straightforward. Groves acknowledges that providing analytical data to support recommendations can determine which changes are made. Getting hold of this detailed data is quite another matter, however.

The NoWatt Solution

Pizza Hut, an AECOM client, is keen to implement affordable energy-saving tools and runs initiatives focused on the energy, environment and economic impact of its buildings. Groves recognised that NoWatt could be a good value for money tool in his work with Pizza Hut: "We use NoWatt as it enables us to monitor the energy use in individual sub-circuits at a reasonable price. It's a bottom-up approach to energy monitoring that works."

After starting with a pilot installation at one Pizza Hut, AECOM now uses NoWatt to monitor electricity consumption at seven different Pizza Hut locations. As NoWatt is accessible over the Internet, authorised AECOM employees are able to view and monitor client sites remotely – saving endless trips to gather data from multiple locations around the country.

AECOM has been pleased with the disruption-free installations and NoWatt's responsiveness to requests.



Image courtesy of AECOM

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Richard Groves
Engineer
AECOM

The Results

NoWatt's unique bottom-up approach to energy management provides AECOM with the granular data they need to itemise clients' energy consumption and to recommend targeted energy efficiency strategies. Using NoWatt, AECOM can now also calculate the payback on such initiatives.

Soon after NoWatt was installed at Pizza Hut, AECOM spotted that the air conditioning at one location was running continuously - all day, every day. By changing the system's timer, AECOM was able to save Pizza Hut around £2,000 per year and improve the building's environmental performance. A big return for a small change

NoWatt also enabled AECOM to measure and compare the energy consumption of equipment at different Pizza Hut locations. Following recommendations by AECOM, several energy-saving measures were installed during the reconstruction of a Pizza Hut restaurant. By using NoWatt to monitor energy consumption after the building work was complete, AECOM identified that the walk-in fridge and freezer units at the new site consumed half the energy of similar equipment at the older location. Knowing that Pizza Hut has projects to build environmentally-friendly restaurants as part of its sustainability initiatives, AECOM could make specific recommendations on the most energy efficient equipment for new-build restaurants.

NoWatt also helped AECOM to monitor maintenance work at client sites. For example, while a client's maintenance contractor claimed to have repaired an air conditioning unit, the NoWatt data detected no change. Upon examination, the unit was still malfunctioning because the maintenance engineer had not visited the site.

The Benefits

AECOM measures its success by the success of its clients. By using NoWatt data to gain valuable insight into their clients' energy patterns, AECOM is able to recommend strategies tailored to each client's unique situation.

Providing tangible consumption data that helps clients to save money is a compelling component of AECOM's solution set. When new projects call for in-depth energy consumption data and a bottom-up approach to energy management, Groves knows NoWatt can deliver the energy results he needs.

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BENEFITS

Gain detailed insight into the energy consumption of different sectors

Compare energy requirements of equipment from different manufacturers

Monitor client sites remotely over the Internet



Image courtesy of Pizza Hut

"Pizza Hut is keen to implement affordable energy-saving tools such as NoWatt, and works with AECOM to achieve this."

Raefe Watkin-Rees
Commercial Director
Pizza Hut (UK) Ltd.