

Smart Office Energy Solutions Case Study



Summary

- In January 2010, one of our American distributors, Smart Office Energy Solutions, was asked to launch an energy reduction initiative for a prominent office building in downtown Houston.
- Within a matter of weeks, **energy savings of 40%** had been achieved.

The Lyric Centre is a Houston skyscraper with 390,000 square feet of A Class space, mostly divided into offices and conference rooms. Before the deployment of the Enistic Smart Office Energy Solution, both building management and tenants had little understanding or awareness of their energy use. Enistic's four-step methodology was used:

1. Measure: before taking any active steps, Enistic Smart Meters were used to establish a baseline of energy consumption. It was determined that over a third of the total building energy was consumed by equipment plugged into wall outlets.

2. Manage: Enistic Powerdown Strips and Smart Sockets were introduced to shut off power automatically to unused equipment during nights and weekends.

3. Motivate: employees were given access to Enistic Energy Manager, easy-to-use online reporting software. They used this to gauge

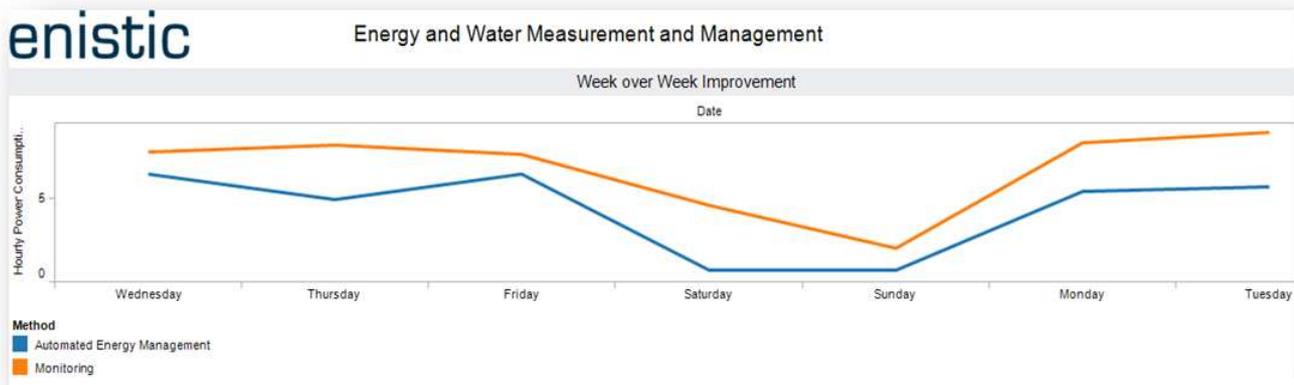
their real-time energy use relative to that of their peers, accessing the data from their desktops, over the Web, and on their phones.

4. Report: ongoing monitoring of energy usage meant that the results of using the Enistic service were clear to see. Building management and tenants alike were pleased with the outcome: the energy used by office equipment dropped by 40%! Enistic's automated reporting tools facilitated communication of this success to stakeholders both within the building and without.

Audit Results

The graph below shows the clear reduction in energy consumed, a direct result of using the Enistic system. Its benefits were twofold – raising awareness of energy saving amongst the building users and encouraging behavioural change; and enabling some office equipment to be automatically shut down when not in use overnight and at weekends.

The orange line on the graph shows the baseline weekly energy usage for the Lyric Centre when first measured before any active steps were taken to make changes. The blue line tracks the significantly lower rate of energy consumption once Enistic energy-saving equipment had been installed and the building users were able to monitor their individual energy usage.



Conclusions

Enistic's simple plug-and-play solution resulted in a very quick **saving of 40% of the energy used by office equipment** within the Lyric Centre, achieved in just a few weeks. The system would therefore pay for itself within months.

Additional benefits included the fact that the building can now be marketed as a more 'green' office environment, and reports from users of improved employee morale through their positive engagement with the energy saving scheme.

This case study was prepared in conjunction with Smart Office Energy Solutions – for more information, visit www.smartoes.com.

Information subject to change without notice. E & EO.

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