

Planning For Heating Upgrades

Energy Monitoring Use Case

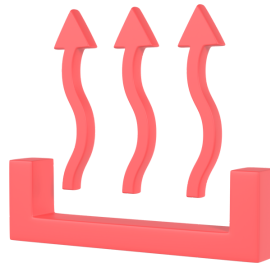
USER

Leisure facility, Electrician, Heating System Installer

THE PROBLEM

A commercial leisure facility wants to install a new heating system but are not sure how much spare capacity they have left.

They want to identify their capacity to decide on the best heating system to suit their needs.



SAFECILITY PRODUCT

The Utility HotDrop energy monitor powered by Safecility's software platform.



Wireless energy monitors installed in seconds



Usage data remotely collected and streamed to the cloud



Software platform gives real time usage analytics in an easy to view graphical format



Analytics identify usage statistics from different circuits to identify usage peaks and troughs.



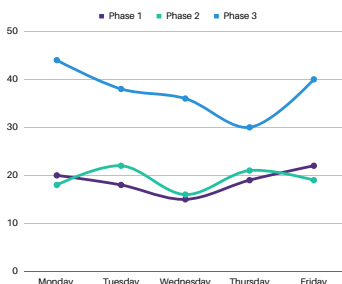
Software dashboard makes energy and cost saving comparison easy.

THE SOLUTION

Safecility's wireless energy monitoring sensors are installed on the facilities power supply and usage data monitored over 7 days to determine spare capacity.

The energy monitor is a small, batteryless device installed on each of the three phases of power supply to the facility.

Energy usage data collected by the energy monitors over 7 days showed there was a load balancing issue in the facility. Once this was addressed they found there was 30 amps spare capacity available for heating. Without addressing the balancing issue the spare capacity would have been just 10 amps.



SPARE CAPACITY & LOAD BALANCING

Usage analytics indicate there is a loading issue in the facility.

By readjusting the load an additional 30 Amps is freed up. A new heating system is chosen based off available spare capacity.



Using analytics from the Safecility platform the facility can make an informed decision about the best and most efficient heating upgrade for their building.