Safecility

EV Charger Installation
Energy Monitoring Use Case

USER

EV Charger Installer

THE PROBLEM

A client wants to install EV chargers on site but is unaware of their spare capacity.

The EV charger installer is tasked with determining how many chargers can be installed and if they require load balancing.

SAFECILITY PRODUCT

The Vutility 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

- Energy monitors are easily uninstalled for use in a different location

- Analytics help reduce waste, save costs and improve operational efficiency

THE SOLUTION

Before installation the EV charger installer uses Safecility's wireless energy monitoring sensor to track baseline usage of the site to identify spare capacity. This will inform how many EV chargers can be installed to stay within capacity limits and inform if any load balancing is necessary.

The energy monitor is a small, batteryless device clamped over the incoming feed. For best results the energy monitor is left in place for 7 days where it remotely tracks energy usage and reports the results to the cloud. Maximum, minimum and average usage can be determined over this period with minute by minute granularity and spare capacity calculated.
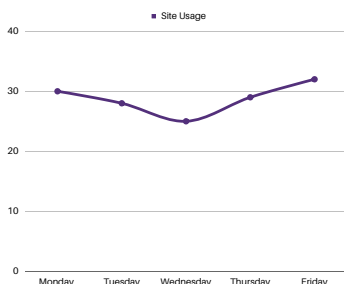
7 DAYS OF USAGE

Average weekly usage is used to determine spare capacity

Calculation of how many EV chargers can successfully be installed is simple using analytics from the Safecility Platform