



# Providing the signal to Harrods EV Charging

## Case Study

The prestigious high-end retailer Harrods wanted to be more sustainable and provide EV Charging for their employees within their basement carpark at their headquarters in Hammersmith, London. To achieve this EV charging is reliant on a reliable signal. With this in mind Harrods needed to find a quick solution that could be installed on budget and within a short timeframe.

### About

Harrods is one of the world's leading department stores in London offering a wide variety of luxury products. As part of their Sustainability strategy, Harrods recently commissioned the implementation of EV Charging points within the basement of the carpark at their Headquarter in Hammersmith, London.

### The Problem

The payment system as well as the software used in the EV chargers heavily dependent on mobile signals. Whether accepting card payments or updating the software, the EV charging points must be connected to the mobile signals at all times. Although the mobile signal outside the building was strong, however, due to the car park being located within the basement of a 9-storey building; the cellular signal wasn't getting through. They needed to find a solution that could offer 4 network coverage.



### Tight Deadline

Installed before the installation of the EV charging units



### Multi-Signal Solution

EE, Three, Vodafone and O2



### Budget

The signal solution needed to be within their budget



## Challenges

Harrods required the installation to take place between Christmas & New Year whilst the offices were closed and before the EV chargers were going to be installed.

## The Solution

Harrods Facilities Manager contacted Frequency Telecom for finding a feasible solution to their network issue. Following an initial desktop survey, Frequency engaged Excel Satellites to conduct a site survey. At this stage the team pinpointed the affected areas as well as could identify the requirements of the products and accessories. It was concluded that the Cel-Fi SOLO for all four networks (EE, Three, O2 and Vodafone) would be able to provide the solution they required. The installation consisted of 125 meters of external cabling that went to the roof of the building.

## The Results

The installation is working as expected providing full network coverage. The solution was completed to a tight deadline of just two days. Harrods were able to reduce their carbon footprint and provide sustainability solutions for their employees and office visitors alike.



## Business Benefits



Improved Signal



Multi Network Coverage



Full Mobile Coverage



Within Budget



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