

Farnborough International Launches 22kW Quantum EV Charging Pedestals at Major Electric Vehicle Event

COMMERCIAL CHARGING



Farnborough International

The home of pioneering spirit, Farnborough International is a hub of innovation for the aerospace and automotive industries. Hosting industry leaders at their 20,000 square metre exhibition and conference centre and welcoming over 183,000 visitors in 2022 and a projected 200,000 visitors in 2023.

Scope

Farnborough International is the venue of choice for electric vehicle and home energy show Fully Charged LIVE (FCL) South and as they prepared again to host this year's event, they wanted to create a charging network for the use of the 26,279 visitors to the show, and all future events. Our 15 years industry experience and extensive industry knowledge meant that it was no surprise when they reached out to Rolec EV to become the official charging partner for the venue.

Farnborough International's primary concern was providing a charging network with the capacity to support charging for the large number of visitors they take in annually. The exhibition centre contains 6 private car parks, with the capacity to provide parking for 3,500 vehicles.

Rolec EV liaised with Rob Pidgen, Carlo Zoccali and Ben Gleeson at Farnborough International, who provided us with site plans and highlighted areas that would be best suited to chargepoint installation. 'During planning and installation stages, the specialist EV team worked closely

with the client team to coordinate, plan and manage the installation of the nine new Rolec Quantum EV chargers to bring into service within very tight timescales.' - Ray Cawte, Farnborough International's on-site electrician and Rolec-Approved Installer.

Of the 6 car parks on site, Car Park 4 - where the initial install was projected to take place - Farnborough International wanted to install chargepoints without digging cable routes. We would have to navigate a solution to this, ensuring that the units could have adequate access to power.

Solution

In preparation for the install, Farnborough International sent over a brief of how they would like the units to look, in terms of branding, and Rolec EV's CAD designer used this as a baseline when creating the design for the units. The initial mock-up was then sent over to the team at Farnborough International before production started on the units.

Project details

Organisation:

- Farnborough International Exhibition and Conference Centre
- ITT Hub
- Farnborough International

Partners:

- Rolec EV
- Monta
- RME Services

Industries:

- Automotive
- Aerospace
- Event Management

Location:

Farnborough, UK



“From the proposal to the project management and implementation, our experience working with Rolec has been seamless from start to finish.

Offering fast electric car charging points aligns with Farnborough International’s wider sustainability goals and encourages more of our customers to choose eco-friendly transportation options. Our objective was to ensure that our clients and venue attendees who drive electric vehicles have a first-class experience at the venue and we can encourage clients to utilise clean energy for their transportation needs.

At Farnborough International, we are proud to work with like-minded partners who are pioneering sustainable new technologies and innovations.”

Carlo Zoccali, Venue Director at Farnborough International

Project details

Rolec EV Products:

9 x Dual Socketed
22kW Quantum Pedestals

Benefits:

- Permanent deployment of 18 chargepoints over 2 car parks
- Sophisticated back-office management; successful trial of Monta’s Smart Queue function gave visitors more freedom to explore the show when waiting for their vehicle to charge
- £666 additional generation of revenue

To enable the units in Car Park 4 to have access to power without the need to dig cable trenches, considerations were made for the inclusion of an M40 compression gland to the rear of the pedestal. This would allow for the unit to receive an individual electrical supply without the need for subterranean cable routes.

Rolec EV provided all 9 Quantum pedestals prior to the initial Fully Charged LIVE event. The first 5 pedestals were installed in time for this show, later followed by the remaining 4 pedestals in time for Farnborough International’s ITT Hub event two weeks later, where 4000 visitors were expected to attend. Providing the venue with a total of 18 chargepoints spread out over 2 car parks.

The initial chargepoint rollout at Fully Charged LIVE successfully provided visitors with access to 10 chargepoints. The Rolec EV units, powered by Monta, provide visitors with unrivalled visibility of Farnborough International’s charging network. Allowing people to book charging in advance of their visit. Monta also initiated the first public trial of their Smart Queue feature at the event, which allowed chargepoint users to join a virtual queue and be notified when a chargepoint became

available. By utilising this feature Farnborough International were able to optimise the visitor experience and reduce the amount of time people were waiting in their cars to charge.

Benefit

Rolec EV have provided Farnborough International’s visitor with permanent access to 18 super-fast chargepoints for the purpose of charging their vehicles when visiting any of the venue’s extensive program of events.

Over the course of the event, 84 vehicles received charge and 1.115kWh of electricity was supplied to visitors via Rolec EV chargepoints. Generating a total of £666 of additional revenue. Chargepoint access has been provided over 2 car parks, Car Park 1 and Car Park 4.

Farnborough International have benefitted from Monta’s sophisticated back-office management solution and has been able to provide their visitors with market-leading functionality as well as opening up a wide range of operational features for the business. Including additional revenue generation, seamless reporting and 24/7 support.