



# North Middlesex University Hospital Deploying Sustainable Transport

**Bouygues Energies and Services (E&S), an Equans company, is committed to meeting its Net Zero target by 2025. To achieve this our number one priority is to reduce our use of diesel and petrol. We partnered with eBike specialists, Fully Charged, and purchased five of their electric cargo bikes in three different models to pilot at contracts across London.**

## The Challenge

The majority of our carbon footprint is accounted for by fleet travel and in turn, one of the ways we are reducing our carbon output is through the implementation of alternative fuel vehicles such as electric vehicles (EVs) and hybrid vehicles. However, EV vans are not suitable for all purposes, as current range limitations restrict their practical use to activities with low daily mileage. This is where non-conventional modes of travel such as electric cargo bikes can make a difference, as they are often a faster and more versatile mode of transport that emit zero tailpipe emissions and have lower running costs.

## Solution

Bouygues E&S, an Equans company, partnered with eBike specialists, Fully Charged, and purchased five of their electric cargo bikes in three different models to pilot at contracts across London. E-cargo bikes are best suited to urban environments and where journey times can be similar or even shorter than for vans. Fundamentally, they are carbon free and can assist in improving air quality, particularly in inner cities where this is a significant issue.

We are supporting North Middlesex University Hospital (NMUH), one of our FM contracts in the Healthcare sector, protect the health and wellbeing of local people through the deployment of sustainable transport. Air pollution in the London borough of Enfield on average is greater than the maximum limit established for one year by the World Health Organisation (WHO). Therefore, we are helping the client (NMUH) reduce their CO2 emissions by installing EV charging points across their site, and trialling the Flatbed XL White Bosch Cargo bike, has deployed this in replacement of their 3.5T diesel flatback for its grounds and gardens.

The technology is not that dissimilar to EV vans, just that the standard means of propulsion is pedal power, but a battery is available to boost performance and take some of the effort out of each journey.

## Pilot: North Middlesex University Hospital

**Model:** Flatbed XL White Bosch Cargo Line Rohloff (L 294cm x W 70cm x H 110cm).

**Purpose:** To reduce our carbon footprint when transporting rubbish collected from the external litter bins across the estate and reduce the time it takes to complete grounds maintenance works in a congested area.

“Once the engineers got to grips with riding the bike empty, due to its physical length, they have been utilising it for all their grounds maintenance work. Fundamentally, these bikes provide a good sustainable transportation solution for our grounds team.” -

**Robert Dashwood, General Manager for Bouygues E&S, an Equans company.**

## Key Facts.

- 20% Of our small van fleet are evs
- 100% Tax deductible
- For every 9 jobs a van completes, the e-cargo bike completes 30

