



ELECTRIFYING A BLUE LIGHT NHS FLEET AT SCALE

Delivered across 44 sites
with 91 AC chargers for East
Midlands Ambulance Service

CHANGE IS IN *OUR POWER*

About the client, East Midlands Ambulance Service NHS Trust (EMAS) and project scope



Pod, part of the EDF Group, enabled the electrification of a blue light NHS fleet by delivering EV charging infrastructure across 44 sites, deploying 91 AC chargers.

EMAS provides emergency and urgent care services across the East Midlands, including Derbyshire, Leicestershire, Lincolnshire, Northamptonshire, Nottinghamshire and Rutland.

The Trust operates a fleet of emergency and non-emergency vehicles and employs around 4,802 staff working across 87 facilities. EMAS is commissioned locally as part of the NHS and is accountable to the Department of Health and Social Care.



8 years

Duration of programme (2018–present)



44 sites

Locations across 6 counties



91 chargers

AC units installed



5 new sites

Current phase in progress



248,928kWh

Energy delivered in 2025



171.8t CO₂

Avoided (Jan 2025–Mar 2026)



306,729kWh

Total energy (Jan 25–Mar 26)



1 platform

Unified reporting across all sites



The challenge and solution



The challenge EMAS faced:

- A large number of technical unknowns across sites
- A wide variety of use cases with highly unpredictable demand
- A mission-critical emergency service, with zero tolerance for fleet downtime

How Pod addressed the challenge:

Pod has supplied and installed EV charging equipment for EMAS since 2018. The programme expanded in 2022, with further installations delivered incrementally throughout 2023 and 2024, and continuing into 2025. A further phase covering five additional sites is currently underway.

Today, the infrastructure provides AC charging across 44 locations spanning the Trust's six-county operating area. As part of the rollout, existing third-party charging equipment was removed and replaced, with all sites migrated onto the Pod Site Management Service platform. This enables unified reporting across the estate, including energy usage, carbon savings and charger performance.

"We have been working with Pod to expand EV charging provision across a large and geographically dispersed operational estate, supporting the ongoing electrification of our ambulance fleet"

**Cara Turton-Chambers,
Head of Sustainability, EMAS**



End-to-end EV infrastructure solution



Pod delivered the following services for EMAS:

Service Area	Description
Site Surveys & Design	Technical assessment and charging layout design across all locations
Grid Connections	New grid upgrades and DNO engagement where existing supply required reinforcement
Project Management	End-to-end coordination from initial scoping through to commissioning
AC Charger Installation	91 AC units across 44 sites, configured for 24/7 fleet operations
Legacy Equipment Replacement	Swap-out of existing third-party hardware, consolidating the estate onto one platform
Maintenance & Repair	Ongoing in-life support, responsive repairs, and unit replacement across the estate

Delivery

In 2022, Pod delivered simultaneous installations across a number of EMAS sites, with grid reinforcement works completed where existing electrical capacity required upgrading. Installation was coordinated with EMAS estates teams to manage access and limit disruption at operational locations.

As part of the rollout, existing third party charging equipment was removed and replaced, consolidating all sites onto a single platform. This enabled consistent, site-wide charging data capture across the estate, to deliver a unified view of energy consumption, carbon metrics and charger status for all 44 locations.

Ongoing maintenance and repair services are provided across the estate. A further five sites are currently in the delivery phase



Impact delivered

Metric	2025 (full year)	Jan 2025 – Mar 2026
Energy delivered (kWh)	248,928	306,729
CO ₂ avoided (kg)	139,400	171,768
CO ₂ avoided (tonnes)	139.4	171.8

Data source: Pod Site Management Service platform. Figures reflect commissioned sites only; sites in delivery are excluded.



Talk to us about electrifying your fleet

Speak to your account manager or visit our website and submit an enquiry.

edfenergy.com/large-business/net-zero/electric-vehicles

