

Specialist EV Charging Solutions for UK Ambulance Services

Electrifying Ambulance Fleets -
Even on the Most Constrained NHS Sites

AMP 
VEHICLE CHARGING SOLUTIONS

“We specialise in delivering EV charging where grid capacity, space or time would otherwise prevent electrification.”



AMP EV is a UK-based electric vehicle charging infrastructure specialist with **extensive experience delivering EV solutions across the NHS, blue-light services, local authorities, housing providers and utility fleets.** We are an appointed supplier on the NHS SBS Sustainable Transport & Infrastructure Framework (Lot 5 – EV Charging) and Crown Commercial Service frameworks, enabling Ambulance Trusts to access compliant, rapid routes to delivery.

Our focus is simple:

Deliver reliable EV charging for emergency response vehicles – without compromising operations.

THE CHALLENGE FACING AMBULANCE TRUSTS

Across the UK, Ambulance Services are accelerating the transition to electric fleets – yet many sites face:

- Prohibitive DNO upgrade costs
- Long grid reinforcement timescales
- Congested A&E and ambulance bay layouts
- PFI-managed estate constraints
- Zero tolerance for operational disruption



AMP EV designs solutions around these realities.

ISLAND MODE CHARGING WHEN THE GRID IS THE CONSTRAINT

AMP EV is actively supporting South West Ambulance Service and South East Coast Ambulance Service with portable DC and Island Mode charging solutions, alongside conventional fixed infrastructure.

Island Mode systems:

- Operate independently of grid upgrades
- Combine high-capacity battery storage with rapid DC charging
- Can integrate solar and renewable generation
- Are no-dig, rapidly deployable and redeployable
- Continue operating during grid outages
- Fit within containerised or trailer-mounted footprints

This enables rapid electrification of ambulance bays without reducing capacity or waiting years for reinforcement.

A COMPLETE AMBULANCE CHARGING STRATEGY

AMP EV does not offer one-size-fits-all infrastructure.

We deliver integrated fleet-wide solutions, including:

- Rapid & ultra-rapid DC chargers for ambulances and SRVs
- 22kW AC chargers for operational cars and staff vehicles
- Portable / Island Mode chargers for constrained or temporary locations
- Home charging with reimbursement for community-based staff

All solutions are integrated through **Fuuse**, the NHS-ready back-office platform, providing:

- Real-time uptime and fault monitoring
- Priority charging for emergency vehicles
- Electricity cost attribution and recharging
- Carbon reporting aligned to NHS Green Plans

DESIGNED FOR LIVE NHS & BLUE-LIGHT ENVIRONMENTS

AMP EV has extensive experience working on:

- A&E front-of-house locations
- PFI-managed estates
- Operationally sensitive and secure sites
- 24/7 emergency response environments

Our delivery model ensures:

- No loss of ambulance bay capacity
- Flexible phasing and out-of-hours working
- Immediate pause or re-sequencing during incidents
- Full compliance with NHS estates, safety and security protocols

PROVEN NHS & PUBLIC SECTOR EXPERIENCE

AMP EV's experience includes delivery for:

- Birmingham University Hospitals NHS Trust
- Sirona Health & Care
- Multi-site public-sector fleets (Northumberland County Council, Cadent Gas)
- Complex, live NHS estates with zero tolerance for disruption

A Solution for Every Environment - Whether your challenge is:

- Grid capacity
- Cost
- Space
- Time
- Operational risk

AMP EV has delivered before – and is delivering now.

Talk to AMP EV

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AMP EV – powering zero-emission
emergency response, wherever it's
needed



AMP **EV**
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