

ZENOBE

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Driving down the lifetime cost
of your electric fleet **through**
smart charging infrastructure



Content

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ZENOBE

+ Making clean power accessible -

Electrical systems

Efficient electrical systems for fleet charging - from initial grid connections to smart charging integration. Our systems leverage real-time and historical data to optimise energy efficiency, supporting evolving fleet needs while reducing operating costs over time.



System design & engineering

Custom-built for optimal power distribution to meet your fleet's charging needs.



Grid connection & power supply

We manage the entire process, reducing lead times and unexpected costs.



Scalable LV panels

Low-voltage panels built to support future fleet growth.



Smart metering

Real-time data via AccuVim meters and MCCBs for precise power management.



Installation & commissioning

All systems are rigorously tested to the highest standards.



Safety-first infrastructure

Engineered to prevent overloads and faults.



Ongoing support & maintenance

Ensuring minimal downtime and reliable operations.



Robust transformers

For longevity and minimal downtime.



Smart charging

Smart charging reduces fleet operating costs by lowering energy bills and limiting infrastructure investment.



Fleet-first priority

Critical vehicles charge first, ensuring route readiness.



Off-peak charging

Schedules charging when energy is cheapest.



Load balancing

Optimises power use across chargers to stay within site limits.



Demand control

Avoids costly power spikes and demand charges.



Grid-aware algorithms

Adjust in real-time to stay within grid constraints.



Flexible energy use

Lower peak energy demand, reduce electricity bills and cut emissions by integrating renewable, flexible sources of power.



Solar power

- Rooftop or ground-mounted systems depending on site layout
- Generate power onsite to reduce grid use



Battery Energy Storage Systems (BESS)

- Store off-peak energy and discharge when needed
- Reduce grid connection size and serve as backup



Benefits



Lower peak
power demand



Reduce
energy bills



Support zero
emission targets

Grid connections

We simplify the grid connection process to reduce costs, delays and complexity. Our team will work with the Distribution Network Operator (DNO), Independent Distribution Network Operators (IDNO) or Independent Connection Provider (ICP) so you don't have to.



- 1 Bypass DNO delays**
Work with accredited ICPs and IDNOs for flexible, fast approvals.
- 2 Asset value**
IDNOs provide network value to offset project costs.
- 3 End-to-end management**
Our Grid Engineering team handles everything from submissions to approvals.



Project lifecycle

Complete delivery of depot charging infrastructure, ensuring long-term cost savings and scalability.



Cable containment

Tray, ladder, conduit, and trunking systems.



Charger foundations

Prefab concrete or metal plinths.



Civil engineering works

Groundworks, trenching, ducting, plinths, line marking and resurfacing.



Structural engineering

Design and installation of steel frames, gantries, and support structures.



EV charger supply

We test and integrate the latest charger and vehicle technologies to ensure reliable, cost-effective performance.



Standalone and fast DC chargers

High-speed charging for on-schedule operations.



DC power distribution

Multiple charger connections from a single power source, reducing overall charger costs.



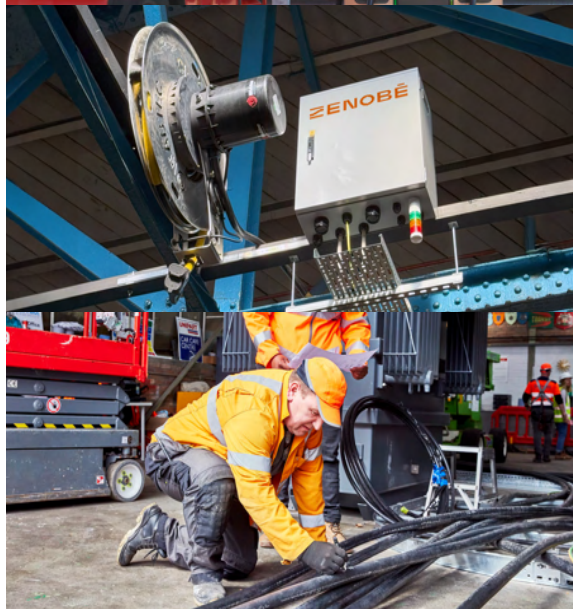
Space-saving solutions

Space-saving drop-down reel solutions. Value engineered to use existing roof structures, avoiding costly gantry systems.



Cable management

Reduces hazards and wear, improving uptime.



Zenobē's Innovation Centre in Portsmouth

From e-vans to e-buses to chargers and cable management. Our team test the latest technology and integrations and feed this knowledge into our designs.

Depot design

Optimised, future-ready depot layouts, enabling cost efficiencies and effective operations.



AutoCAD designs

Clear, detailed drawings for technical and non-technical teams.



Swept path analysis

Smooth movement for all vehicle sizes.



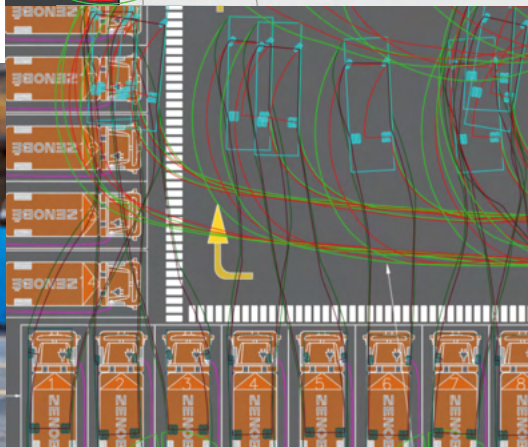
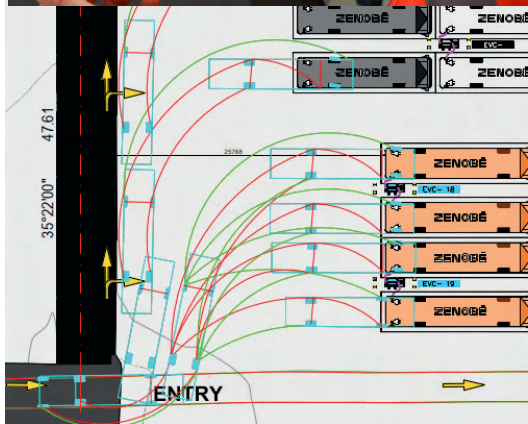
Integrated planning

Civil, electrical, and charging systems combined for maximum efficiency.



Design collaboration

Early-stage issue identification ensures on-time construction.





Built-in flexibility

Worried about downtime during upgrades?

We phase work to minimise disruption.

Concerned about electricity costs?

Our smart systems cut lifetime energy expenses.

Expanding fleet?

Modular infrastructure grows with you.

Charger compatibility?

All equipment is tested with your fleet OEMs.

Reliability?

Only high-quality, durable chargers used.

> 3,400

electric vehicles
supported globally

90%


of UK bus operators work
with Zenobē


25%

of the UK e-bus
market powered by us

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