



Electric Vehicle Infrastructure Solutions

High-capacity feeder pillars and infrastructure solutions designed for tomorrow's ultra-fast EV networks.

Your Trusted Partner

With over 200 years of heritage and deep expertise in electrical networks, Lucy Electric is ideally placed to deliver smart, reliable, and future-ready solutions for EV charging infrastructure.

We support every stage of the EV journey, from residential charging to ultra-fast commercial networks, with products engineered for safety, compliance, and installation simplicity.

Our EV feeder pillars, monitoring systems, and integrated substations are built to handle high-demand charging, while every product is rigorously type-tested in-house and independently, ensuring compliance with recognised industrial and safety standards.



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Evis 100A– 1600A EV Feeder Pillars

Compact, flexible LV distribution for EV charging.



KEY FEATURES

Flexible Supply Options

- Available for both Private and DNO incoming supplies
- DNO version includes a larger enclosure with space for a DNO cut-out and cable entry

Configurable Layouts

- Supports all site requirements, including mixed EV chargepoint setups
- Outgoing devices for single-phase and three-phase chargers (7kW–150kW)
- Bespoke designs available for non-standard mixes

Scalable Capacity

- Off-the-shelf pillars up to 630A
- Custom-engineered pillars up to 1600A

Compliance

- Compliant with industry standards for long-term safe operation. For a full list, please visit our website.

Durable Construction

- Compact design for safe and reliable performance
- Robust steel enclosures, with a hot-dip galvanised finish for long term protection
- Optional powder coated finish in grey, green, and black (special colours available on request)
- Also available in GRP (Glass Reinforced Plastic) with optional colours available on request. Stock sizes and custom builds available

Why Choose Evis LV Pillars

- Can be integrated into Lucy Electric package substations for a complete EV-ready solution)
- Flexible incoming supply options (Private and DNO)
- For 630A to 1600A equipment, we offer custom configurations based on customer requirements
- Supports both single- and three-phase charging (7kW–150kW)
- Compact, type-tested design built for reliability
- Market-leading delivery – short lead-times, faster deployment

Evis 2500A EV Feeder Pillars

Ultra-high capacity distribution for EV hubs.



KEY FEATURES

Installer-Friendly Design

- Customer-influenced layout for easier, faster installation
- Factory-assembled to reduce time and complexity on-site

Rugged, Durable Construction

- Powder-coated steel enclosure with natural ventilation
- Lockable front doors, internally secured panels for enhanced security
- IK10 impact resistance and IP54 ingress protection (no GRP cover required)

High-Capacity Performance

- Fully rated 2500A plated copper busbar, with 50% or 100% Neutral and Earth options
- ACB incomer up to 2500A (4 pole)
- MCCB outgoing ways in 250A, 400A, 630A, and 800A ratings (3 or 4 pole)

Versatile Options

- Available in green, black, or grey (special colours on request)
- Multiple earthing configurations to suit site requirements

Compliance

- Compliant with industry standards for long-term safe operation. For a full list, please visit our website.

Why Choose Evis 2500A

- Flagship LV pillar, purpose-built for ultra-fast EV hubs
- Up to 10 outgoing ways for a free-standing pillar and up to 17 outgoing ways for a transformer-mounted pillar; Terasaki devices
- Fully type-tested to IEC 61439 standards
- Smart-ready: integrated metering, monitoring, and COP compliance
- Enhanced safety with integrated CBR protection
- Rugged, installer-friendly design built for long-term reliability

Package Sub-Stations

Transformer mounted Ring Main Unit & LV Distribution Cabinet.



KEY FEATURES

Flexible & Compliant

Built to work seamlessly with your infrastructure

- Compatible with all major transformer manufacturers
- Complies with DNO, IDNO, and industrial specifications
- Designed to meet diverse regulatory requirements with ease
- Simplify installation
- Reduce on-site work
- Minimise disruption
- Accelerate project delivery
- Helps cut overall installation costs

Why Choose Lucy Electric's Package Sub-Station

- Complete turnkey package from design to delivery
- Flexible configurations to meet site-specific requirements
- Built to the latest industry standards
- Rapid installation with pre-assembled units
- Expert support at every stage

Transformers

Standard transformer ranges from 315 to 1500 kVA, with higher ratings on request. All units meet EU safety and performance standards.



KEY FEATURES

Energy Efficient

- EU Eco Loss compliant
- Reduces losses and lowers operating costs form optimal energy efficiency and reduced operational costs

Quiet Operation

- Advanced noise-reduction design for regulatory compliance and quieter environments

Flexible Fluids

Select from:

- Mineral Oil
- Midel, or
- Silicone insulation

Each option is tested for safety, reliability and environmental performance.

Configurable Connections

- HV/LV terminations on the same or opposite sides for easier site integration

Why Choose Lucy Electric Transformers

- Wide rating range from 315–1500 kVA (higher on request)
- Fully compliant with EU safety and performance standards
- Designed for energy efficiency and reduced operational costs
- Noise-reduction design for compliance and comfort
- Choice of insulation fluids for safety, flexibility, and environmental performance
- Configurable HV/LV connections for simplified integration
- Proven reliability in EV charging and industrial applications

Cut-Out: Current Transformer Metering Chamber (CTMC)

Directly coupled to a Lucy heavy duty cut out.
Can be part of an Evis cabinet up to 630A
(or purchased separately for your own project).



KEY FEATURES

Ready-to-Install

- Factory-configured on durable FSC-certified plywood for easy installation
- Supplied as a complete, pre-tested assembly to save time on-site

High-Performance Metering

- Accepts two polyphase meters with ISO-standard mountings
- Pre-fitted single-ratio metering CTs for reliable, accurate measurement

Secure & Compliant Design

- Sealable, lockable doors provide secure CT and busbar segregation
- Includes DIN rail-mounted fuses and an industry-standard modular test block for safe, straightforward connections

Why Choose the CTMC

- Simplifies metering integration for EV charging networks
- Pre-assembled, pre-tested, and installer-friendly
- Flexible options — within Evis pillars or standalone
- Built for accuracy, reliability, and safety

Monitoring: Gridkey

Comprehensive, real-time visibility of your LV and MV networks.

GridKey provides continuous remote monitoring of substations, delivering live warnings, status updates, and detailed load information. This enables network operators to reduce maintenance costs, increase efficiency, and gain a clearer picture of the LV/MV grid.



KEY FEATURES

Easy Installation

- Compact design, specifically for low-voltage substations
- No calibration or ongoing maintenance required – reliable and hassle-free

Performance & Accuracy

- Class 2 metering performance
- High-resolution data reporting down to 1-second intervals
- Comprehensive monitoring cross all substation feeders
- Overvoltage protection up to 300V rms (Category IV)
- Current measurement up to 720A per feeder phase

Connectivity Options

- 2.5G / GPRS mobile data transfer
- 4G LTE Cat-M1 and NB-IoT support
- Ethernet connectivity for secure network integration

Why Choose GridKey

- Compact, easy-to-install design
- Real-time feeder visibility for smarter decision-making
- Proactive fault detection helps avoid costly downtime
- Reduces unplanned outages and maintenance costs
- Maintenance-free design, reliable long-term operation (no calibration required)
- Proven performance in utility networks worldwide

Ring Main Units: Sabre^{EcoTec}

Delivers a reliable, safe, and sustainable medium-voltage solution for EV charging and power distribution.



Building on our trusted Sabre platform, EcoTec offers a future-ready medium voltage solution for EV charging infrastructure and wider power distribution networks.

KEY FEATURES

Eco-Friendly Insulation

- Eco-Friendly Insulation
- Uses synthetic air insulation with a Global Warming Potential (GWP) of zero

Flexible Installation Options

- Available in transformer-mounted and free-standing configurations
- Compact, space-efficient design for easier site integration
- Seamlessly integrates into package substations

Smarter Monitoring & Automation

- Automation-ready by design – embedded as standard in the Sabre^{EcoTec} range

- Flexible integration options – from behind-the-fascia motor control to behind-the-door RTU (Remote Terminal Unit) solutions
- GridKey-compatible – seamless integration with Lucy Electric's advanced sensors, monitoring, and analytics
- Future-proof performance – delivering the automation of tomorrow, today

Why Choose Lucy Electric's Ring Main Units

- Zero-GWP – advanced synthetic air technology
- Supports net zero goals
- Compact and efficient
- Enhanced operator safety and full compliance
- Integral automation

Low Voltage Cabinets: AcuTec

Forms the Low Voltage part of a package substation, delivering safe, reliable power distribution for EV charging infrastructure and wider utility networks.



KEY FEATURES

Easy installation

- Designed for easy cable connections

Compact Design

- Smaller fuse handles reduce footprint

Enhanced Safety

- Built for operator protection

Smart Monitoring & Integration

Flexible Configurations

- Available with ACB and MCCB derivatives

Monitoring Ready

- GridKey-enabled for dynamic network monitoring

Why Choose AcuTec

- Compact design with efficient use of space
- Easy cable installation and operator-friendly layout
- Fully compliant with ENA TS 37-2 standards
- Supports both ACB and MCCB configurations
- Compatible with GridKey for real-time monitoring

Automation: Gemini

Remote status and control of your EV infrastructure. Designed for advanced feeder automation in electrical distribution networks.



KEY FEATURES

Built-in Intelligence

- Continuous status monitoring, diagnostics, and alerts
- Flexible communication options – supports multiple protocols for seamless integration
- Enhanced cybersecurity – suitable for use in Critical National Infrastructure

Safe Operation

- Dedicated motor power enable relay ensures secure switchgear control

Installer-Friendly

- Pluggable terminal blocks reduce installation time

Why Choose Gemini

- Optimised form factor – compact design for easy assembly into control cabinets and switchgear panels
- Easy to configure – inbuilt configuration tool simplifies customisation
- Secure firmware – protects configuration and system integrity
- Enhanced cybersecurity for critical applications
- Reliable, secure operation with built-in diagnostics

Lucy Electric Energy Services

Building, connecting and maintaining the networks you depend on.

100+ Years of industry expertise

LV-33kV

Manufacturer Agnostic

24/7/365
Emergency response

As electricity networks face growing pressure from ageing assets, increasing demand and the transition to low-carbon technologies, the focus is now on how to get projects built, connected and operational.

Lucy Electric Energy Services helps customers deliver and maintain critical network infrastructure, turning plans into connected, operational assets safely, on time and with minimal disruption.

Working across LV to 33kV, we support your network through the full asset lifecycle, from initial design through to long-term operation.

How we support your network



Installation & Connection

Delivering new connections efficiently to keep projects on track.



Design & Consulting

Helping you get the right solution from the outset, reducing risk and avoiding rework.



Commissioning & Upgrades

Testing, energisation, and retrofit works to improve performance and extend asset life.



Monitoring & Support

Improving network visibility and enabling proactive asset management. Training and technical support to strengthen in-house capability



Operations & Maintenance

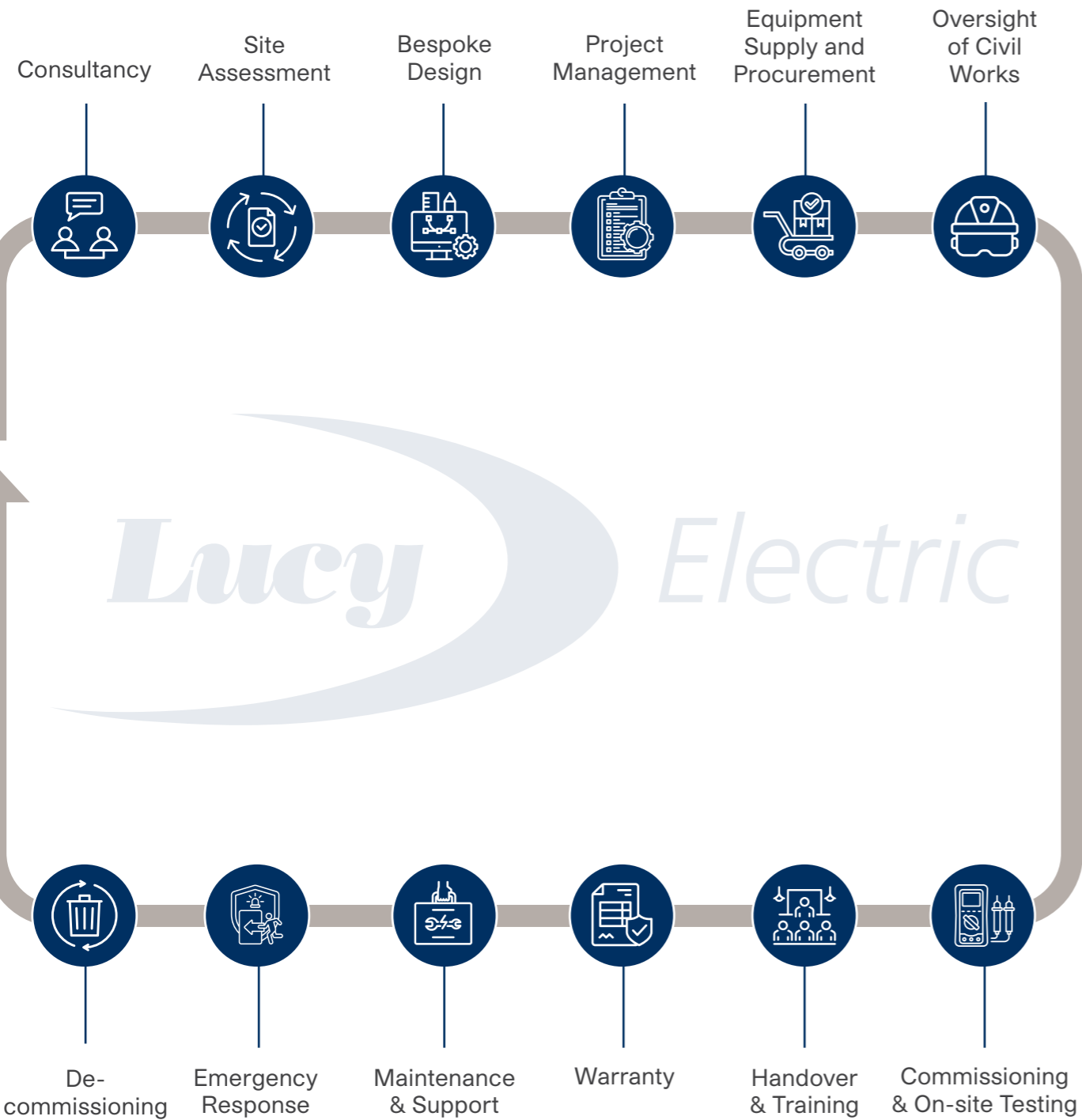
Keeping networks running with planned maintenance, rapid fault response and 24/7 emergency support.

Why Lucy Electric Energy Services?

From planned works to emergency response, we keep your network running.

- Works with equipment already installed on your network, not just our own – no need to replace existing assets
- LV to 33kV capability across a single provider – simplifies delivery and reduces contractor complexity
- Fast, responsive delivery when it matters most – keeping projects on track and minimising disruption
- Practical, on-site solutions tailored to your network – designed for real-world conditions
- Supports long-term programmes with consistent delivery – helping reduce risk and plan with confidence
- Backed by 100+ years of Lucy Electric expertise – trusted capability you can rely on

Complete Product Lifecycle



Whether you're planning a new connection or maintaining existing infrastructure, our team is here to help.
Speak to us about your next project.



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