



Electric Vehicles Enabling Infrastructure

ENGINEERING INTELLIGENT SOLUTIONS

Innovation.
Excellence.
Lucy Electric.

With over 100 people dedicated to research and innovation, across two international engineering centres of excellence, Lucy Electric is at the cutting edge of the switchgear industry.

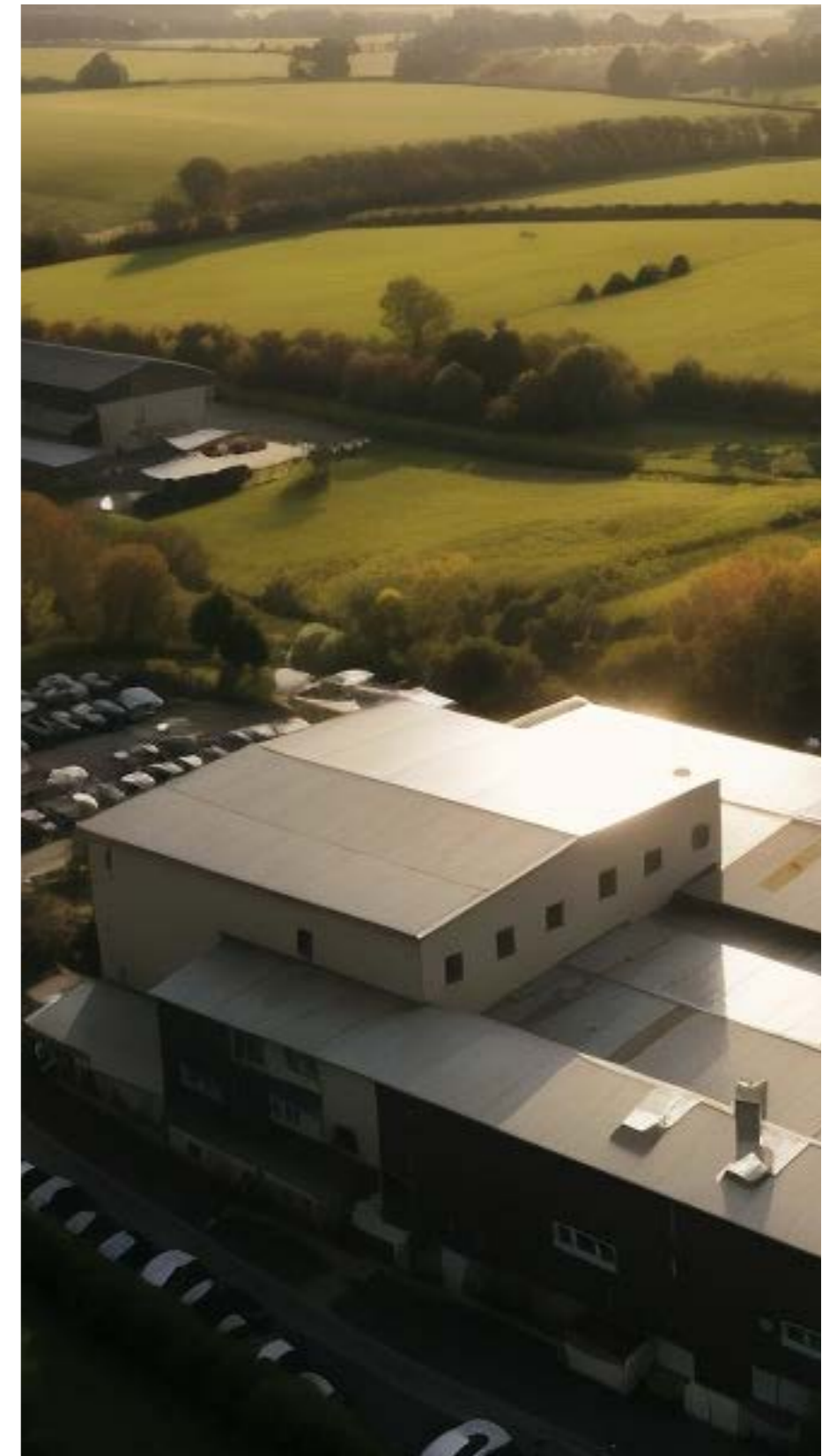
We never stand still. We are always working toward the next breakthrough.

This commitment to progress makes us an international leader in switching, protection and automation solutions for electrical distribution systems. We are a specialist in secondary power distribution, engineering high performance medium voltage (MV) switchgear for utility, industrial and commercial applications, as well as overhead line equipment, and providing retrofit and automation solutions to customers internationally.

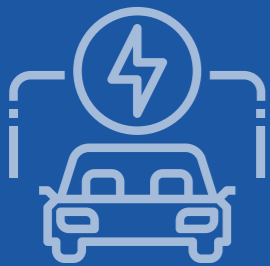
Our excellence, expertise, and experience mean we can deliver truly bespoke solutions to our customers, even when the requirements are highly demanding. We can manufacture units for any location, climate or situation and offer dedicated after-sales support through the product lifecycle.



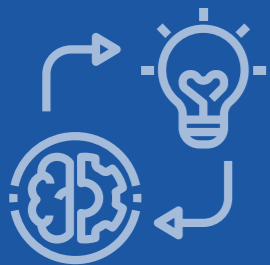
A vertical blue rectangular infographic. At the top, there is a white icon of three stylized human figures. Below it is the large white number '100'. Underneath '100' is the text 'people dedicated to research and innovation' in a smaller white font. Below this is a white icon of a globe with three curved lines around it, representing research or innovation. Underneath the globe icon is the large white number '2'. At the bottom of the infographic is the text 'international research centres' in a smaller white font.



Electrification of transport




Lucy Electric are ideally equipped to provide the Electric Vehicle infrastructure required for the demands of the future.



We have the knowledge and experience to assist.



All our products are rigorously type-tested in house and independently in fully accredited facilities, ensuring they meet recognised industrial and safety standards.

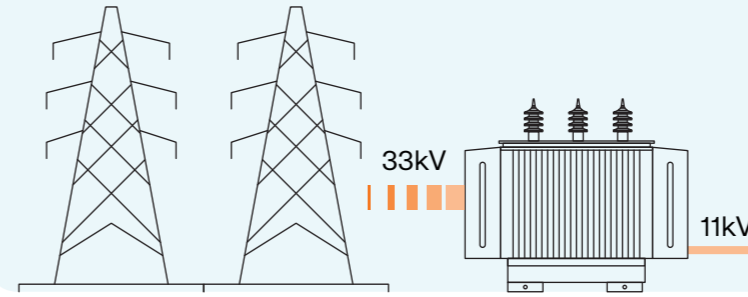


With over 200 years of history and considerable experience in electrical networks, we are ideally placed to deliver a range of solutions for EV charging infrastructure.

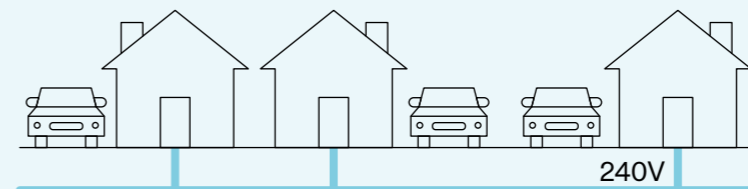


Electric Vehicle Charging Infrastructure

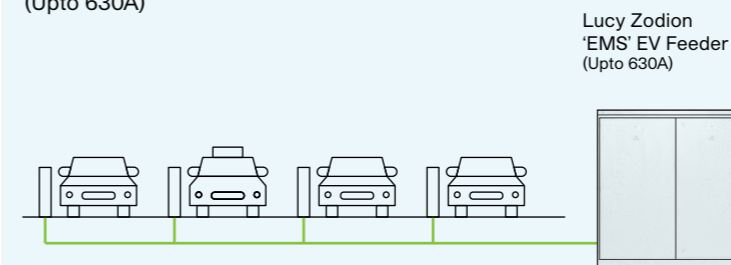
Grid Power



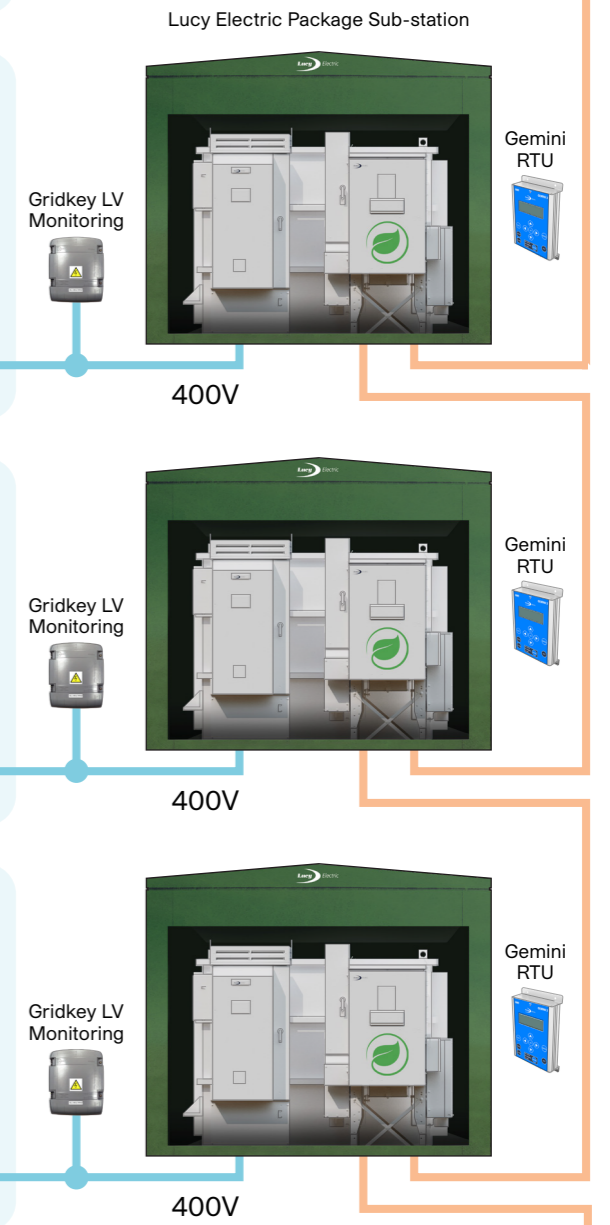
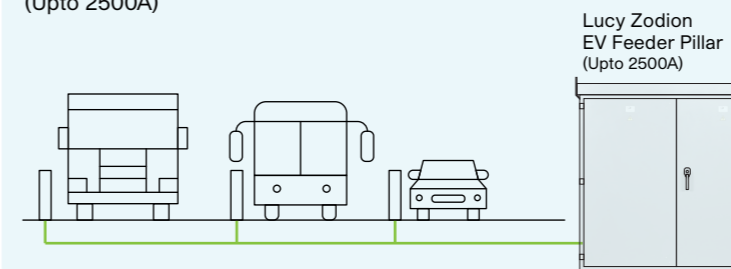
Residential Vehicle Charging



Commercial Vehicle Charging (Upto 630A)



Commercial Vehicle Charging (Upto 2500A)



Package Sub-Stations

Transformer mounted LV distribution cabinet.
Part of a package substation.



Full Service

End-to-End Solutions

Lucy Electric provides a complete solution—from engineering to on-site delivery—ensuring specifications are met with expert support, reducing project timelines and optimizing costs.

Flexible & Compliant

Adapt to Wide Range of Industrial Standards

Not restricted to any specific transformer manufacturer, Lucy Electric's solutions offer the flexibility to comply with all DNO/IDNO and general industrial specifications, allowing you to meet diverse regulatory requirements seamlessly.

Time-Saving Designs

Simplified Installation with Pre-Assembled Units

Lucy Electric's pre-assembled solutions streamline installation processes, minimising on-site time and cutting costs associated with complex assembly tasks.

Transformers

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



Eco-Friendly Efficiency

Transformers designed to meet EU Eco Loss standards, offering low eddy current and hysteresis losses for optimal efficiency.

Designed for Quiet Operations

Built with noise reduction technology to comply with local regulations and support a quieter working environment.

Flexible, Safe Fluid Options

Available in Mineral Oil, Midel, or Silicone, providing adaptable options for different industrial environments.

Configurable Connections

Offers flexibility with HV and LV connections, available on the same side or opposite sides to suit your installation needs.

Sabre^{EcoTec} Ring Main Units



Eco-Friendly Insulation:

Uses synthetic air with zero GWP for sustainability.

Proven Technology:

Built on established Sabre RMU design with modern updates.

Versatile:

Available in transformer-mounted and free-standing versions.

Enhanced Performance:

High-quality performance with eco-friendly improvements.

Future-Focused:

Protects networks and the environment.



AcuTec Low Voltage Cabinets



Installation & Space-Saving

- Easy installation for cable connections
- Compact fuse handles for smaller footprint

Safety & Compliance

- Enhanced operator safety
- ENA TS 37-2 Issue 5 compliant

Flexibility & Monitoring

- ACB and MCCB derivatives available
- GridKey-enabled for dynamic monitoring



Current Transformer Metering Chamber (CTMC)

Direct Coupled to Lucy Heavy Duty Cut Out.



- Factory-configured assembly on FSC plywood
- Accepts two polyphase meters with ISO mountings
- Sealable, lockable doors for CT and busbar segregation
- Industry-standard modular test block
- Pre-fitted single-ratio metering CTs
- DIN rail-mounted fuses



Gridkey - Monitoring

Comprehensive Remote Monitoring for Substations.



GridKey provides continuous remote monitoring, warnings, status, and loading information of substations. As a result, customers experience reduced network maintenance costs and significantly increased knowledge of the state of the LV/MV grid.

- Easy to fit and compact – custom designed for monitoring Low Voltage substations
- Robust and durable
- No calibration or maintenance needed
- Class 2 metering accuracy
- Comprehensive reporting of substation feeders
 - Overvoltage: 300 V rms (Category IV)
 - Current: 720 A (per feeder phase)
- High-resolution data (up to 1 second)
- 2.5G/GPRS mobile data transfer
- 4G technologies LTE CAT-M1 and NB-IoT
- Ethernet

GridKey helps reduce network maintenance costs while improving visibility and control of LV/MV grids.



Gemini – Automation

Gemini is a flexible Remote Terminal Unit (RTU) platform for advanced feeder automation on electrical distribution networks. It provides a secure operation with built-in diagnostics, continuous status monitoring and alerts.

- Dedicated motor power enable relay output providing safe and secure operation of switchgear
- Flexible communication options
- Enhanced cyber security features for use in Critical National Infrastructure
- Optimised form factor providing efficient assembly into control cabinets and switchgear panels
- Easy to configure, customisable product adapting to different solutions
- Pluggable terminal blocks improving installation times
- Secure firmware and configuration
- Simple in-built configuration tool for easy customisation



Energy Services

Our aim at Lucy Electric is to ensure that you consistently get the very best from our technology – and your budgets.

With our integrated set of product lifecycle services, ranging from after sales support to training and consultancy, we provide incisive expertise and timely assistance throughout the lifecycle of your high performance Lucy Electric products.

Whether you are managing extensive distribution networks, expanding, updating or automating your operation, Lucy Electric has the products and services to give you peace of mind that your assets are being effectively managed and maintained.



Complete Product Lifecycle





lucyelectric.com

Our international offices:

Lucy Electric UK Ltd
Howland Road, Thame,
Oxfordshire
OX9 3UJ
United Kingdom
t: +44 (0)1844 267 267
e: salesuk@lucyelectric.com

Lucy Electric GridKey Ltd
8 Argent Court, Sylvan Way
Southfields Business Park
Basilidon, Essex
SS15 6TH
United Kingdom
t: +44 (0) 1268 850000
e: sales@gridkey.co.uk

Lucy Electric GridKey Swindon
607 Delta,
Welton Road
Swindon
SN5 7XF
United Kingdom
e: sales@gridkey.co.uk

Lucy Middle East FZE
PO Box 17335, Jebel Ali
Dubai
PO Box 17335
United Arab Emirates
t: +97 148 129 999
e: salesme@lucyelectric.com

Lucy Electric (Thailand) Ltd
388 Exchange Tower,
37th Flr Unit 3702,
Sukhumvit Road
Klongtoey Sub district
Klongtoey District, Bangkok
10110
Thailand
t: +66 (02) 663 4290
e: salesThailand@lucyelectric.com

Lucy Electric (South Africa)
Unit 12 & 13, Block C,
Honeydew Business Park,
1503 Citrus Street, Laser Park
Honeydew
P.O. Box 1078, 2040
South Africa
t: +27 11 025 7490
e: salesza@lucyelectric.com

Lucy Asia Pacific Sdn Bhd
L17-05-06, PJX-HM Shah Tower,
No16A Jalan Persiaran Barat
Petaling Jaya,
Selangor, Malaysia
48050
Malaysia
t: +603 74910700
e: salesmalaysia@lucyelectric.com

Lucy Equipamentos Elétricos Ltda
Av. das Araucárias 2558 Thomaz
Coelho, CEP 83707-067
Thomaz Coelho, Araucária,
State of Paraná, Brazil
83707-065
Brazil
t: +55 (41) 2106 2801
e: salesbrazil@lucyelectric.com

Lucy Electric Manufacturing &
Technologies India (Private) Ltd
Village Noorpura,
Baska besides Polycab
Halol Baroda Toll road, Taluka Halol
Panchmahal, Gujarat
389350
India
t: +91 2876 304912

Lucy Electric India Private Ltd
2B-46 & 47, 2nd Floor
Kurla West
Mumbai
400070
India
t: +91 22 62366616

Lucy Electric East Africa
13th Floor Landmark Plaza
Argwings Khodhek Road
Nairobi
P.O Box-00606 - 00400
Kenya
t: +254 (0) 203 673 927

Lucy Switchgear Arabia Co. Ltd
Novotel Business Centre
Dammam
P.O. Box 35340, Dammam 31488
Saudi Arabia
t: +966 138 147 910
e: salesksa@lucyelectric.com

Lucy Switchgear Arabia Ltd
Tahlia St, Andlus Dist.
Jameel Square Center,
Office No 118
Jeddah
21533
Saudi Arabia
t: +966 02 6648573

Lucy Electric Australasia Pty Ltd
t: +61 467 237 879
e: salesaustralia@lucyelectric.com