

Electrical Site Supervisor - ICP

Term: Permanent and Full Time

Working pattern: Hybrid

Location: Site based role across multiple UK locations

Salary: £40,000 - £50,000 per annum (DOE) plus car allowance

Company Overview

At amphos, we provide expert consulting, construction, and electrical infrastructure services to support businesses in transitioning to electric fleets and broader electrification projects. Whether at the early planning stage or ready for delivery, we offer the expertise and execution needed to make electrification a success.

Through amphos ICP, we deliver end-to-end electrical infrastructure and grid connection solutions for complex power projects. Operating as an Independent Connection Provider (ICP), our specialist team of electrical engineers, designers, project managers, and commissioning experts manages projects nationwide from our offices in Derby and Dumbarton.

By offering turnkey solutions from initial grid applications through to commissioning and energisation we support a wide range of sectors including renewables, residential, eMobility, and industrial and commercial markets.

Together, our integrated approach ensures reliable, efficient grid connections and infrastructure delivery, helping drive the UK's transition to electrification.

Reports To:

Project Manager/ Head of ICP

Role Purpose:

We are seeking an experienced Electrical Site Supervisor to oversee the safe, compliant and efficient delivery of electrical works across ICP projects, primarily involving LV, 11kV and 33kV distribution infrastructure.

The Electrical Site Supervisor will be responsible for the day-to-day supervision and coordination of site electrical activities, ensuring works are delivered in accordance with approved designs, DNO/IDNO requirements, project specifications, programme and health & safety requirements. The role will provide the key site interface between electrical operatives, subcontractors, Project Management, Design, Commissioning teams and DNO/IDNO representatives.

Projects will include new electricity connections and associated infrastructure for commercial developments, EV charging, renewable energy, Solar PV, BESS and major power projects.

Please note: The role is primarily site-based and will involve travel to projects throughout the UK.

Key Responsibilities:

Site Supervision & Delivery

- Supervise day-to-day electrical construction activities across ICP projects.
- Coordinate electricians, HV jointers, fitters, commissioning engineers and specialist subcontractors.
- Ensure works are constructed strictly in accordance with approved-for-construction drawings, specifications and DNO/IDNO standards.
- Plan and coordinate daily and weekly site activities against the agreed construction programme.
- Undertake daily site briefings and coordinate works with the Project Manager and other contractors.
- Monitor productivity, progress and quality and identify potential delays or constraints at an early stage.

- Ensure materials, plant, equipment and labour are available to support planned activities.
- Verify delivered materials and equipment against approved specifications and project requirements.
- Coordinate electrical works with civils teams and other site disciplines.
- Maintain accurate site records, progress information and photographic evidence.
- Assist Project Managers with progress reporting and identification of variations or additional works.

HV / EHV Electrical Works

Supervise the installation of ICP electrical infrastructure including, where applicable:

- LV distribution systems.
- 11kV and 33kV cable systems.
- HV/EHV switchgear and RMUs.
- Package substations and transformers.
- DNO/IDNO substations and intake arrangements.
- Metering equipment and metering interfaces.
- Protection and control systems.
- LV auxiliary supplies.
- Earthing and bonding systems.
- SCADA and communications interfaces.
- Cable containment and associated electrical infrastructure.
- Coordinate HV cable installation activities including cable pulling, handling, jointing and termination works, ensuring appropriate installation limits and manufacturer requirements are maintained
- Ensure cable routes, duct arrangements, bend radii, pulling tensions, phasing and cable identification comply with the approved design.

Safety & Operational Control

- Promote and maintain a strong safety culture across all site activities.
- Ensure works comply with the Electricity at Work Regulations, CDM Regulations, BS 7671 and applicable DNO/IDNO safety rules and procedures.
- Review and brief RAMS prior to commencement of activities.
- Deliver toolbox talks, daily briefings and task-specific safety discussions.
- Ensure operatives and subcontractors hold the appropriate competencies, authorisations and training for their activities.
- Ensure correct permits, sanctions and operational documentation are in place where required.
- Maintain safe working distances and controls around existing electrical infrastructure.
- Coordinate activities around live HV/LV systems and ensure works remain within agreed operational boundaries.
- Stop works where unsafe conditions, design discrepancies or non-compliant activities are identified.
- Support incident, near-miss and quality investigations where required.

Quality Assurance

- Ensure installation works comply with approved designs, specifications and relevant DNO/IDNO standards.

- Complete and maintain project Inspection and Test Plans (ITPs) and associated quality records.
- Carry out installation inspections and quality checks throughout construction.
- Raise and manage snagging items and support NCR close-out.
- Ensure equipment serial numbers, cable records, test certificates and installation information are correctly recorded.
- Ensure red-line drawings accurately reflect installed infrastructure.
- Support preparation of as-built documentation and handover packs.
- Ensure works are ready for DNO/IDNO inspection prior to requesting formal inspections.

Testing, Commissioning & Energisation

- Coordinate testing and commissioning activities with the Project Manager, commissioning engineers and DNO/IDNO.
- Ensure appropriate pre-commissioning testing has been completed and documented.
- Coordinate cable testing, protection testing, transformer testing, earthing testing and associated commissioning activities.
- Ensure defects and commissioning observations are closed prior to energisation.
- Support DNO/IDNO witness testing and inspections.
- Assist with energisation planning and site readiness.
- Ensure energisation boundaries and operational responsibilities are clearly understood by all relevant parties.

DNO / IDNO Interface

- Maintain effective site relationships with DNO/IDNO representatives.
- Support site inspections and respond to installation observations.
- Ensure adoptable infrastructure is installed in accordance with the relevant network operator's standards.
- Identify deviations from approved designs or standards and escalate these before works proceed.
- Support Project Management with technical queries and site RFIs.

Required Experience and qualifications

Essential

- Demonstrable experience supervising electrical construction works within the ICP, DNO, IDNO or HV electrical contracting sector.
- Strong practical understanding of LV and HV distribution systems.
- Experience delivering 11kV infrastructure.
- Experience supervising HV cable installation, substations, switchgear and associated electrical works.
- Ability to interpret electrical drawings, SLDs, cable schedules, protection information and construction drawings.
- Strong understanding of RAMS, ITPs and electrical construction quality requirements.
- Good understanding of UK electrical safety requirements and safe systems of work.
- Strong communication and leadership skills.
- Full UK driving licence.

Desirable

- Experience delivering 33kV infrastructure and EHV projects.
- Previous experience working directly with UK DNOs and IDNOs.
- Experience with UKPN, NGED, NPG and/or SP Energy Networks standards.
- Experience delivering Solar, BESS and EV charging grid connections.

- Experience with DNO adoption and energisation processes.
 - Understanding of protection, SCADA, metering and commissioning requirements.
- Preferred Certifications / Competencies
- SSSTS or SMSTS.
 - ECS/CSCS appropriate to role.
 - First Aid at Work.
 - Manual Handling.
 - Asbestos Awareness.
 - Cable avoidance / CAT & Genny.
 - Temporary Works awareness.
 - DNO/IDNO authorisations where applicable.
 - HV AP/SAP competency or previous HV operational experience would be advantageous but is not essential, depending on project requirements.

Key Skills

- Strong electrical construction knowledge.
- HV/EHV installation experience.
- Site leadership and supervision.
- Planning and coordination.
- Health & safety management.
- Quality assurance and inspection.
- DNO/IDNO standards and compliance.
- Ability to identify installation and design issues before they impact programme.
- Clear and concise reporting.
- Ability to manage subcontractors and specialist electrical teams.
- Strong problem-solving and decision-making skills.

Core Benefits

- Competitive salary (DOE)
- Opportunities for development and growth
- 25 days annual leave + bank holidays
- Flexible working pattern
- Company pension
- Discretionary annual bonus scheme
- Private healthcare
- The opportunity to grow in an exciting and fast-growing industry