



Career Opportunity

Senior Electrical Engineer



3ti Information Pack

About 3ti

3ti is a UK renewable energy company focused on accelerating the clean transport transition by delivering smarter solar-powered EV charging infrastructure. The company's name reflects its "Three Technology Infrastructure" approach of combining solar energy generation, battery storage and electric vehicle charging into integrated solutions that reduce carbon emissions and drive practical sustainability

In 2019, 3ti evolved from designing large-scale solar car parks to pioneering rapid-deployment EV charging hubs. They are a Certified B Corporation, recognised for meeting rigorous environmental, social and governance standards.

Why Work at 3ti?

- Purposeful Work** - 3ti's projects aren't about technology for technology's sake. They work closely with clients to deliver solutions that are thoughtful, robust, and built to last. You'll see the real-world impact of your work and have a voice in how it's delivered.
- Trust and Autonomy** - 3ti hires capable people and trusts them to do great work. You'll be given ownership, responsibility, and the freedom to apply your skills without unnecessary layers or micromanagement.
- Collaboration Over Hierarchy** - At 3ti, ideas matter more than job titles. You'll work in cross-functional teams where knowledge is shared openly and success is collective.
- Growth That's Personal** - 3ti supports continuous development through learning opportunities, mentorship, and hands-on experience. Career paths at 3ti are not one-size-fits-all. They work with you to shape a trajectory that fits your ambitions.



3ti's Mission

To drive the decarbonisation of transport and energy infrastructure by delivering smart, sustainable, and scalable energy solutions. 3ti integrates solar energy, EV charging, and battery storage to create efficient, cost-effective, and environmentally responsible solutions for businesses and communities.

Company Growth & Opportunities

3ti is currently in a stage of strategic transformation and growth:

- In mid-2025, 3ti completed a multi-million-pound strategic divestment of its solar car park construction division to focus fully on scaling its Papilio3 smart charging technology.
- 3ti's Papilio3 hubs have been installed across a wide range of sectors and customer types, from NHS Scotland to Network Rail to public town-centre installations, demonstrating commercial traction and market relevance. UK Government and Innovate UK funding support innovation projects such as vehicle-to-grid (V2X) capabilities, further embedding 3ti's technology at the cutting edge of clean energy and smart charging research.

For individuals looking to work at 3ti, this means joining a company where the technology is evolving, the market demand is growing and the opportunity to shape product, process and impact from early stages is tangible.

Employee Benefits

- Annual leave of 25 days plus bank holidays
- Performance based bonus scheme (may not apply to all roles)
- Potential for EMI share option awards
- Group Life Insurance – 4 x base salary paid to beneficiary
- Employee Assistance Program, including access to Private GP 24/7 and financial and legal support
- Private Health Insurance - after six months continuous service*
- Business expense allowances
- Contributory pension scheme (5% employee & 3% employer contributions)

*Only applied to specific roles.

The Interview Process:

- 1st Stage: Virtual (TEAMS), 1 hour
- 2nd Stage: Face-to-face, 1 hour
(This may include a technical presentation or competency related task)

Locations:

Surrey Technology Centre, 40 Occam Road, Surrey, GU2 7YG

Senior Electrical Engineer – Job Specification

Role Overview:

This is an opportunity for an experienced Electrical Engineer to join a small, fast-growth team delivering exciting projects at the forefront of the UK's net zero energy transition. 3ti is a growing company – we want you to grow with us as a crucial part of our professional project delivery and maintenance team.

You will be involved with surveying potential sites, followed by the installation, commissioning and maintenance of our combined Solar PV / EVCP / BESS technologies across the UK.

Key Responsibilities:

- Surveying of the electrical infrastructure of potential new sites
- Specifying and arranging preparatory site works
- On-site installation and commissioning of new units
- Operation & Maintenance duties at installed sites including fault-finding and resolution, annual inspections, upgrades and testing.
- Planning and implementing methodologies and procedures within your field of expertise for the benefit of the business.
- Maintain documentation of maintenance processes, quality checks and RAMS.
- Understanding and working to electrical standards in all areas, including BS7671, and relevant codes of practice (COP), British (BS) and European (EN/CE) standards in all areas.
- Contributing to the ongoing technical design and development of our combined Solar / EVCP / BESS technologies. When required, assist in other duties as required at our manufacturing sites or company offices.

About You

You will have completed a time-served electrical apprenticeship, be an experienced and qualified electrical engineer with a proven track record in the Commercial & Industrial Electrical sector including inspection, testing, Solar PV and EVCP installation. Experienced in project management and working to maintenance schedules.

You are:

- Highly professional, ethical and work to the highest standards
- Proactive self-starter, well-organised with proven planning & project management skills
- A champion for professional customer service and getting the job done in one visit
- Autonomous and able to think on your feet, but you'll know when to call for help
- An excellent, proactive communicator
- Analytical and will not settle for obvious, comfortable solutions
- Willing and able to challenge colleagues, contractors and suppliers
- Experienced in managing external consultants, contractors and other third-party stakeholders
- Proactive, positive, enthusiastic, flexible and focused on delivery and results
- A Health & Safety and Quality champion on a continuous drive to monitor and improve,
- Implementing changes where required and up to date with current legislation

Qualifications & Experience

Essential:

- A minimum of 10 years' electrical experience within the commercial and industrial sectors,
- working with three-phase supplies and equipment.
- BS7671 18th Edition qualified to include Inspection & Testing
- Conversant in ENA processes and obtaining DNO connections using G99 and/or G100 solutions
- AM2E and SSSTS
- Experience of Commercial Solar PV & EV Charge Point installations
- Experience installing networking & communication equipment – Ethernet, cellular, WiFi
- Proficiency in Office 365
- ECITB Card

- DBS Clearance
- The right to live and work in the UK with a clean UK driving licence

Desirable:

- IPAF 3a & 3b
- Experience of using Jira (or similar) digital platforms for issue and work management
- Experience of RS485 Modbus and/or CAN bus communication networks
- Experience working with smart lighting and/or smart building control systems
- First Aid Qualification