

Electrical & Instrumentation Engineer

Reporting to Engineering Manager

Based in Teesside (Middlesbrough).

ABOUT SEMBCORP ENERGY UK

Sembcorp Energy UK (SEUK), a wholly-owned subsidiary of Sembcorp Industries, is a leading provider of sustainable solutions supporting the UK's transition to Net Zero. With an energy generation and battery storage portfolio of nearly 1GW in operation, our expertise helps major energy users and suppliers improve their efficiency, profitability, and sustainability, while supporting the growth of renewables and strengthening the UK's electricity system.

Our Wilton International site on Teesside sits within a hub of decarbonisation innovation. At the site, we provide energy-intensive industrial businesses with combined heat and power (CHP) via our private wire network that supplies electricity generated by gas and biomass.

These services are complemented by our fleet of fast-acting, decentralised power stations and battery storage sites situated throughout England and Wales. Monitored and controlled from our central operations facility in Solihull, these flexible assets deliver electricity to the national grid, helping to balance the UK energy system and ensure reliable power for homes and businesses.

Company registration no: 11369893. For more information on Sembcorp Energy UK visit www.sembcorpenergy.co.uk | [LinkedIn](#) | [Twitter](#)

ABOUT SEMBCORP INDUSTRIES

Sembcorp Industries (Sembcorp) is a leading energy and urban solutions provider, driven by its purpose to do good and play its part in building a sustainable future.

Headquartered in Singapore, Sembcorp leverages its sector expertise and global track record to deliver innovative solutions that support the energy transition and sustainable development. By focusing on growing its renewables and integrated urban solutions businesses, it aims to transform its portfolio towards a greener future and be a leading provider of sustainable solutions.

Sembcorp has a balanced energy portfolio of over 12,800MW, with more than 3,300MW of renewable energy capacity comprising solar, wind and energy storage globally. The company also has a proven track record of transforming raw land into sustainable urban developments, with a project portfolio spanning over 12,000 hectares across Asia.

Sembcorp is listed on the main board of the Singapore Exchange. It is a component stock of the Straits Times Index and sustainability indices including the FTSE4Good Index and the iEdge SG ESG indices. For more information, please visit www.sembcorp.com.

Position Overview:

As the Electrical & Instrumentation (E&I) Engineer, you will report to the Electrical Plant Engineer and initiate, develop and deliver key strategic performance and reliability improvements, rationalisation and projects in the Asset Management business whilst advising on longer term asset policy on key systems and maintaining technical standards to meet legislator and operational requirements of the operating plant.

The E&I Engineer will develop electrical and instrumentation assets including raising defect work orders, engineering MOC, basic design for new installations, approving drawings designed by

others, assisting maintenance on more complex problem solving, managing resource and supervising contractors.

You will be expected to demonstrate the appropriate behaviours and commitment towards health and safety to ensure we maintain our first-class safety culture.

Responsibilities:

- Management of FARM inspections, site standard and management of Sembcorp UK MP's for metering all services excluding electricity.
- Positively encourage a culture of safety first.
- Ensure the E&I and HV Teams and Contractors adhere to safe systems of work.
- Ensure compliance with all Health, Safety & Environmental legislation and statutory requirements.
- Ensure RAMS are in place and followed for all standard, regular and workshop tasks
- Contribute to the development of business strategy by providing technical proposals and plans for improvement in asset performance.
- Actively drive defect elimination.
- Work with equipment suppliers and others to problem solve and identify scope driving improvement opportunities.
- Manage specialist support contractors.
- On a 'reasonable endeavours' basis, provide 'out of hours' support to the shift operations team.
- Carry out SHE activities including producing method statements, risk assessments and carrying out audits etc.
- Fully support the E&I Plant Engineer and E&I Manager across all plant areas.
- Originate, deliver and manage projects, rationalisation initiatives, lead studies and implement plans.
- Establish, direct and motivate multi-functional project teams.
- Provide technical support, policy advice and expertise to the business.
- Maintain awareness and evaluate the impact of technological advances and future trends in order to better advise the business on investment opportunities.
- Represent the company as a technical expert in discussions with external organisations including suppliers, potential new customers and existing customers etc.

Requirements:

- A relevant Degree in Electrical & Instrumentation or Electrical Engineering is essential.
- Significant experience gained from an electrically bias E&I Engineer role is required.
- Experience of process plant operations and maintenance is a must.
- Control systems experience is essential.
- Expert knowledge of SHE legislation, DSEAR regulations and electrical wiring regulations (IEE) are required.
- Competency with Microsoft Word, Excel and PowerPoint is a must.
- 17th or 18th Edition electrical qualifications would be advantageous.
- City & Guilds 2391 or equivalent qualifications would be beneficial.
- A National Safety Passport would be ideal.
- Compex Ex01-Ex04 and Ex5&Ex6 certification is preferred.
- Experience gained from a heavy industry would be beneficial.
- Experience of leading a team of engineers would be ideal.
- Microsoft Projects experience would be advantageous.
- ILM Level 3 in First Line Management is preferred.
- HV experience to accept permits and sanction for tests would be beneficial.
- Experience with Emerson Delta V would be advantageous.
- A full driving licence is required.
- Right to work in the UK is essential.

The E&I Engineer will be a credible, commercial and strategic professional with excellent communication, presentation, influencing, problem solving and analytical skills as well as a high concern for standards and a results focused approach.

Essential:

- Instrumentation engineering degree.
- Working experience of managing fiscal metering installations and design specifying for installation works.
- Experience and qualifications in ATEX standard.
- Experience in BS7671 (18th Edition).
- FARM installation.

Desirable:

Contractor management (small scale).

Benefits:

- Competitive basic salary dependent on experience.
- Discretionary performance-based bonus.
- 26 days annual leave plus bank holidays.
- Stakeholder Pension Scheme.
- Private Health Insurance (currently covered by Aviva).
- Group Income Protection Scheme.
- Life Assurance.
- Flexible working.
- Training and Development.