

Mechanical Engineer

Reporting to Responsible Mechanical Engineer

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:

Working as part of the Engineering, and reporting to the Responsible Mechanical Engineer, the Plant Engineer shall support both daily engineering issues, and also offer engineering support and specification for outage events, with the overall responsibility for compliance and technical issues associated with the Wilton 10 Biomass Plant.

The Plant Engineer will work closely with the Commercial, Operations, Inspection, SHE, Performance and Maintenance functions to ensure a clear asset plan is developed and maintained, ensuring legal compliance at all times.

Responsibilities:

- Positively encourage a culture of safety first. “Walk the talk”.
- Champion compliance with all Health, Safety & Environmental legislation and statutory requirements.
- Become an expert with regards to the mechanical integrity of the W10 Biomass Boiler and associated Balance of Plant, including Large Scale Feedwater Pumps, Compressors and Conveyor Systems.
- Working across all assets of the business to support and sustain operation, through Planned Maintenance Optimisation and Asset Tactics, a strategy to deliver plant and equipment performance in line with commercial obligations.
- To ensure the strategic objectives of the business are met by initiating, leading and delivering projects and solutions.
- Actively seek new and emerging technologies and methodologies in order to drive the assets to achieve the “Best Available Technology”.
- Take ownership within the organisation to ensure compliance to the relevant engineering standards and quality assurance/control in line with defined statutory and business standards.
- Provide technical advice, guidance and support to the Projects, Maintenance and Operations functions for all mechanical rotating equipment and design code requirements.
- Responsible for ensuring an up to date and complete Technical Library, asset criticality study, critical spares holding, 10-year plan, planned maintenance schedule and inspection program is in place and audited for compliance for the assets in their area.
- Represent the company as a technical expert in discussions with external organisations, including suppliers, potential new customers, existing customers, government agencies, etc.
- Work with the Maintenance and Planning Manager to ensure all work is prioritised and scheduled to maximise efficiencies, ensure legal compliance and reduce breakdowns.
- Ensure up to date and detailed asset performance figures are available for assets in their area. Report these to the business and the department.
- Provide out of hours support to the project, maintenance and operations departments as and when required.
- Work with the Outage Team to ensure all mechanical specifications and workscopes are completed in line with the gated process timescales, to assist with planning and execution.

Requirements:

- Degree Qualified (BEng Mechanical Engineering preferred).
- Excellent knowledge of Large Scale Biomass Boilers and Relevant Codes.
- Excellent knowledge of Industry British Standards and Relevant Design Codes.
- Excellent management skills.
- Excellent analytical and problem solving skills.
- Experience of engineering and equipment maintenance in the plant area or similar operation.

- IT skills (use of Outlook, Maximo, spreadsheets, word processing, Microsoft Project etc.).
- Up to date with best practice maintenance and engineering techniques.
- Excellent awareness and implementation of SHE requirements.
- Good influencing skills.
- Good commercial awareness and understanding of cost control and contractor management.
- Good report writing, communication and meeting skills.
- High concern for standards
- High level of personal resilience.

Desirable:

- Good knowledge of Steam & Gas Turbines.
- Turnaround Experience.

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.