

Electrical, Control & Instrumentation Engineer (London)

About ProHeat

Exceptional prospects. Meaningful work and the opportunity to meet technical challenges. ProHeat Systems is a British design and engineering consultancy developing technologies and services which support decarbonisation of process heat.

In addition to supplying some of the most efficient process heating packages in the energy industry, ProHeat is developing next generation control solutions which include machine learning and memory enhanced process control.

Join us and you'll play an important role in helping decarbonise process heat.

The role

The Electrical, Control & Instrumentation Engineer will assume responsibility for further developing the company's control strategy and innovation projects including remote plant monitoring.

The role would be based in ProHeat's London office with periodic trips to company and key supplier sites at various locations in the UK. The role includes some flexibility for working remotely.

Principal duties and responsibilities

- Responsible for detailed engineering design of electrical and control installations and commissioning activities to ensure equipment meet performance requirements (including P&IDs, system control diagrams, cause & effect diagrams, technical schematics, layouts and user requirement specifications).
- Manage E&I related gas industry compliance requirements and interfacing on project deliverables with our client's Technical Authority.
- Prepare project specific technical packages (load schedules, instrument schedules, loop diagrams, technical specifications, operating instructions, panel schematics, spares schedules, preventive maintenance requirements, etc.) for instrumentation work to be executed.
- Contribute to HAZOP, HAZID, FMEA, LOPA and SIL reviews.
- Undertaking project engineering of instrument and electrical engineering matters.
- Updating specifications and monitoring the quality of work from E&I subcontractors.
- Contribute to development of equipment maintenance strategies and use machine and site data to support development of asset integrity and condition monitoring capability.
- Develop and improve standard operating procedures within the scope of E&I, including: factory testing, installation/commissioning and fault identification.

Key qualifications, skills and experience

- Minimum of five years' related experience, with a preference towards the energy sector.
- Project engineering experience preferred.
- The ability to work independently, dealing with clients and subcontractors directly to ensure compliance and quality standards are met with on-time project delivery
- Experience in the design of equipment within hazardous areas (ATEX) is required, ideally with knowledge in subject areas such as Functional Safety and Hazardous Area Classification.
- Experience with components used in controls, process instrumentation and cabling used in energy industry applications, such as: fuel gas control valves, temperature and pressure related equipment, level monitoring equipment, analysers, programmable logic control systems and remote data capture/access SCADA systems
- Experience in the commissioning of new equipment into an existing brownfield site.
- Experience in machine learning while not essential is desirable.
- A good understanding of Siemens S7-1200 PLC's using Siemens TIA platform and ladder logic while not essential is desirable.

Rewards

ProHeat is committed to investing in talented staff who have ambition to contribute to the success and growth of the business. To that end, ProHeat is committed to support professional development with self-structured training programmes. Benefits will include:

- Compensation of £40,000 to £60,000 based on previous experience
- Investment towards ongoing training and development
- Participation in the company's pension scheme

To apply for this position **a cover letter is required**. In your application, tell us how joining ProHeat would help develop your career. Please also feel free to tell us about your other interests.

Applications can be submitted by email to: info@proheatsystems.com