



ABOUT THE COMPANY

Boustead International Heaters are recognised leaders in the design supply and installation of bespoke Direct Fired Heaters, Waste Heat Recovery Units and Thermal Heat Transfer equipment used in wide ranging applications. Providing innovative engineered solutions to a diverse global client base, ranging from spare part and feasibility studies to multimillion-pound turnkey capital projects. BIH enjoys an enviable position as an approved supplier to many major blue-chip EPCs and end-users in the Energy industry. Based in Sussex, BIH is part of the Boustead Singapore Limited multinational organisation.

FUNCTION OF THE DEPARTMENT & MAIN PURPOSE OF JOB:

To design bespoke Direct Fired Heaters, Waste Heat Recovery Units, HRSGs/OTSGs, define Auxiliary Components and contribute to the development of new products and processes to complement the company portfolio.

DUTIES & RESPONSIBILITIES:

- Working with the Sales Department to prepare the technical part of Tenders including process design of equipment, review and compliance with customer specifications, production of corresponding bill of materials and ensuring technical integrity of quotations for main equipment used in cost estimate. Liaising with clients and sub-vendors, both before and after submission of tenders, including attending sales clarification meetings plus some follow-up contact with clients at times during the contract stage.
- Preparation of key documents including requisitions for some items following Order Award. Also, to provide formal calculations for Pressure Part Design, Refractory Design and Key Equipment specification and definition of instrument, control and safeguarding functions.
- Providing process engineering support to Contracts/Engineering departments including answering client questions, attending HAZOP meetings, incorporating customer comments to above-mentioned documents and assistance with commissioning/troubleshooting.
- Leveraging the company's expert status, undertake high value engineering studies to support our clients' investment decisions for furnace and WHRU revamping and upgrading.
- Contribute to the development of new products/processes which offer clients the opportunity to decarbonise their processes.
- Contribute to improving computer tools.



SKILLS & QUALIFICATIONS

- Minimum 2:1 Degree or equivalent in an engineering discipline, preferably either Chemical or Mechanical Engineering.
- High standard of analytical and technical problem-solving skills. The role requires the candidate to apply degree level engineering skills across a range of areas including heat transfer, fluid flow, combustion, pressure part design, automation and control, emissions control, materials selection, and mechanical strength calculations.
- Good communication skills with the ability to communicate clearly with foreign clients and explain complex technical issues in a way that merits their confidence.
- Heat transfer knowledge.
- Knowledge of Steam Systems, HRSGs and/or Boilers would be an advantage.
- Willingness to travel.
- Ability to think commercially as well as technically.
- Extremely organised with good attention to detail.
- Able to manage and prioritise a diverse workload.
- Able to work alone and on own initiative, as well as part of the Team.
- High computer literacy.