

Structural Engineer



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:

As an integral member of the small UK Design Office, working alongside the larger Malaysian team, the Structural Engineer will directly report to the Detailed Engineering Group Manager to support the Project and Process Engineering teams in the production of structural calculations and design sketches.

DUTIES & RESPONSIBILITIES:

- Provide steel weight estimates and concept designs in full accordance with BIH standards and clients' project specifications, to assist the Sales department at the bidding stage.
- Work as a team member dedicated to fulfilling the project design requirements.
- Structural Design of heater components.
- Preparation of clear design sketches.
- Monitor job progress within specified schedules.
- Assist in the development of STAAD, SAP2000, other 3D CAD systems and in-house standards.
- Check drawings and structural calculations and analyses from colleagues and sub vendors.
- Liaise with sub-contractors regarding contracted-out structural design work.
- Other duties as assigned from time to time

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SKILLS & QUALIFICATIONS

- Qualifications to HND/Degree level in a mechanical or structural engineering discipline.
- Previous experience of working in a 3D analysis environment is essential.
- High standard of analytical & technical problem-solving skills with excellent attention to detail.
- Able to work quickly and accurately under pressure.
- Good communication skills with the ability to communicate clearly with foreign clients, colleagues and suppliers
- Able to liaise and co-ordinate with staff of all levels in multiple offices around the world
- Knowledge of STAAD is essential, knowledge of AutoCAD, SolidWorks, Caesar, SAP2000 and Tekla advantageous.