EMbaffle BV
Job Description

POSITION: Unfired Heat Transfer Specialist - Mechanical and Heat Transfer Engineering

LOCATION: Amsterdam, Netherlands, with requirement for international travel.

DESCRIPTION OF DUTIES

A member of a small team, the Unfired Heat Transfer Specialists will be knowledgeable of shell-and-tube, air-cooled and double-pipe heat exchanger types as well as operational matters including heat transfer equipment fouling, heat loss (e.g. piping, tank, reactor), maintenance and mechanical reliability. He/she will understand the process interface, heat integration with Fired Heat Transfer Specialists and equipment integrity.

He/she will be part of a learning organisation in which it is fun to work and will participate in industry seminars (e.g. HTRI, HTFS) and standards (e.g. API/ISO) meetings. He/she will be able to lead equipment area initiatives concerning reliability, availability, operability, safety, technology development, research guidance, etc.

The Unfired Heat Transfer Specialist is expected to be able to provide:

- Technical support for unfired equipment in operating plants, including all types of heat exchangers. This work will require site visits as well as desk studies.
- Heat exchanger operating data analysis and interpretations;
- Preparation of unfired equipment design (thermal, hydraulic, and mechanical);
- Project support / quality assurance.
- Input for technology development, heat exchanger design and procurement standards

EXPERIENCE AND QUALIFICATIONS

Applicant should be educated to University Degree standard and possess at least a BSc in Chemical or Mechanical Engineering.

Minimum 3 years of related professional field experience in process plant operation, reliability, materials/inspection and maintenance is seen as a clear advantage.

The Unfired Heat Transfer Specialist is expected to have:

- Sound background in engineering;
- Knowledge of heat exchanger design, specification and rating;
- Strong background and knowledge in the field of heat transfer;
- Good knowledge of the physics of transport phenomena and fluid flow;
- HSE Risk Management awareness;
- Operating data analysis knowledge;
- Good analysis and problem solving skills;
- Maintenance planning and execution awareness

Applicant should be able to demonstrate:

- Successful experience working as part of a team or team leader;
- Self motivation;

- Strong written and verbal communication skills in the English language including the ability to listen well;
- Results oriented and customer focused;
- Willingness to quickly become acquainted with and make use of the design software as used within the skills group;
- Willingness to be trained on the job.

Candidates should have a strong team spirit and a positive attitude towards flexible workload distribution, informal work consultation, and skills group meetings.