

APPLICATIONS ENGINEER

This position will require the successful candidate to be responsible for producing practical and technically viable solutions to customer-specifications, whilst managing the technical compliance of our products, for clients such as Shell, BP & ADCO.

The successful candidate will need to manage the technical interpretation of customers requirements, provide guidance on material suitability, determine appropriate non-destructive testing & examination and ensure all ancillary components clearly meet the customers overall specification. Responsibilities will also include creating contractual & manufacturing drawings and generating bills of materials.

For further information about the position, please refer to the documents attached.

The Job Profile outlines the main duties and responsibilities for this position and details the skills, knowledge and experience required to be fully competent in this role. However, we do not expect candidates to demonstrate all of these attributes on application as on the job training will be provided. Please refer to the Person Specification, which identifies the essential and desirable requirements for this post.

If you would like to apply for this position, please download and complete the attached application form and equal opportunities monitoring form (which will be detached from your main application form and be used for monitoring purposes only) and return to: Sandra Berry, Amarith Ltd. Bentwaters Parks, Rendlesham, Woodbridge, Suffolk, IP12 2TW.

▼ Job profile	
Details	
Title	Applications Engineer
Responsible to	Engineering Manager
Job purpose	To contribute to the achievement of internal engineering targets through the effective interpretation of client specifications and industry standards, in order to create practical and commercially viable engineering solutions.

Duties & Responsibilities

- Review customer specifications, understanding impact on the pump design and build.
- Produce bills of material, detailing all components required to complete an order, ensuring all material and quality aspects conform to the customer specification.
- Ensure all parts clearly define all material testing and certification requirements.
- Review sub-order components documentation for technical compliance (specifically motor, seal & systems). This will involve interaction with sub suppliers to establish scope acceptable to the Customer and Supplier.
- Support the Contracts Department in resolving technical issues, via the production and justification of proposed solutions.
- Generate technical documents (such as utility schedules, data sheets & design calculations) which will provide accurate product data and confirm compliance to customers specification.
- Assist in the generation of 3D CAD pump assemblies, to verify the practicality of designs.
- Produce component drawings for production, e.g. base-plates.
- Provide contractual and manufacturing drawings, in accordance with company standards and client project specifications.
- To be responsible for own health and safety and personal development, keeping up to date with relevant issues in relation to job role.

Scope and Range of the Job

- Directly Supervising n/a
- Budget Responsibilities n/a
- Other Responsibilities n/a

Qualifications and Experience

- The ideal candidate will be qualified to degree level in an engineering-related subject. However training will be given and candidates without a degree will be considered.
- Proven engineering experience in a similar role, within the petro-chemical industry and preferably with rotational equipment.
- Some experience of Solid Works or a similar 3D CAD package, producing models and drawings.
- Experience of having engineered products to customer specifications and relevant international standards, such as API 610, 682, ASME 8.

Knowledge

- It is expected that all candidates should have a good engineering understanding, knowing what factors will affect selection of materials and the design process.
- Demonstrate that they are capable of producing component drawings with sufficient detail for manufacture.

-
- Knowledge of major items used in rotational equipment, ideally pumps, together with ancillary equipment, such as motors, seals, pressure-vessels and instrumentation, with regards to their construction and operation.
 - An awareness of material selection and verification by Non Destructive Testing (NDT) & Non-Destructive Examination (NDE) methods.

****NB****

Whilst the above qualifications, experience and skills are essential for a fully competent candidate, Amarinth Ltd is committed to the continuous development of all its employees. As part of its induction programme the company will compile a comprehensive personal development plan (PDP) for all new employees. The company requires new employees to engage constructively and effectively with their PDP in order to demonstrate a significant level of progress in their first year of employment, and for it to be continued for the duration of their employment with the company.

Person specification

▼ Person Specification		
Details		
Job title	Applications Engineer	
Salary	Negotiable with associated benefits	
Responsible to	Engineering Manager	
Hours of work	37.5 hours a week	
▼ Requirement categories		
	Essential requirements	Desirable requirement
Qualifications	HND in Engineering/Design	Degree or equivalent in an engineering related subject
Experience	Proven engineering experience in the petro-chemical industry. Familiarity with international standards applicable to pumps and ancillary systems, e.g. API 610 and 682 and ASME 8.	Experience of working with rotational equipment. Ability to read and generate engineering drawings.
Skills	Production and justification of solutions to technical issues. Reading and understanding customer-specifications and industry standards. MS Word and Excel for calculations. Commercial awareness. Good communication, both verbal and written.	Understanding of geometric tolerances and fits. 3D CAD, ideally SolidWorks. DEP (Design & Engineering Practice)
Knowledge	Product conformity through Non-Destructive Examination (NDE) and Non-Destructive Testing (NDT) and material traceability. Basic understanding of rotational equipment, e.g. motors, seals, pressure-vessels and instrumentation. Material suitability/applicability and welding technology. General engineering.	Knowledge of ASTM standards. Design of equipment for harsh environments, e.g. off-shore, seismic, very hot, very cold etc.
Behaviours	To take ownership of tasks/projects and see them through to a successful conclusion – problem solving, drive, pro-activity, persistence etc. Team-player. Flexibility – being able to deal with a number of tasks/projects at the same time, and to be able to transfer attention from one to other seamlessly. Self-motivated. Conscientious – methodical, able to prioritise, attention to detail, planned and organised. Desire and ability to learn & develop. Ability to work with minimum supervision and to demonstrate initiative. Inter-personal skills, e.g. with customers, Suppliers and colleagues.	Target oriented

Circumstances	Available to take up position with the Company, if offered the role, within 3 months.	Available immediately. Willingness to re-locate to a reasonable distance from Company HQ, if necessary.
---------------	---	--
