



JOB DESCRIPTION AND PERSON SPECIFICATION

JOB TITLE: Design Engineer
REPORTING TO: Drawing Office Manager
RESPONSIBLE FOR: N/A

JOB SUMMARY:

Working closely with the Project Engineering and Blowers Teams using SolidWorks 3D and Draftsight 2D to produce drawings that meet client and production requirements. These can range from component parts to full skid package layouts, both mechanical and electrical (wiring).

MAIN DUTIES OF JOB:

The main responsibilities of the role are:

- Applying standard engineering practice and reviewing client contract specific requirements - in particular noting materials of construction, inspection requirements and regulatory requirements.
- Taking part in production/project review meetings to ensure deadlines are met.
- Generate Bills of Materials for sub-assemblies, piping and layouts.
- Maintaining drawing logs and documented evidence of issues for the production department as per ISO 9001 requirements.
- Assist with raising other technical documentation as required to meet Roots contractual commitments.
- Production of material and weld traceability maps. Assisting in collating Manufacturing Record Books.

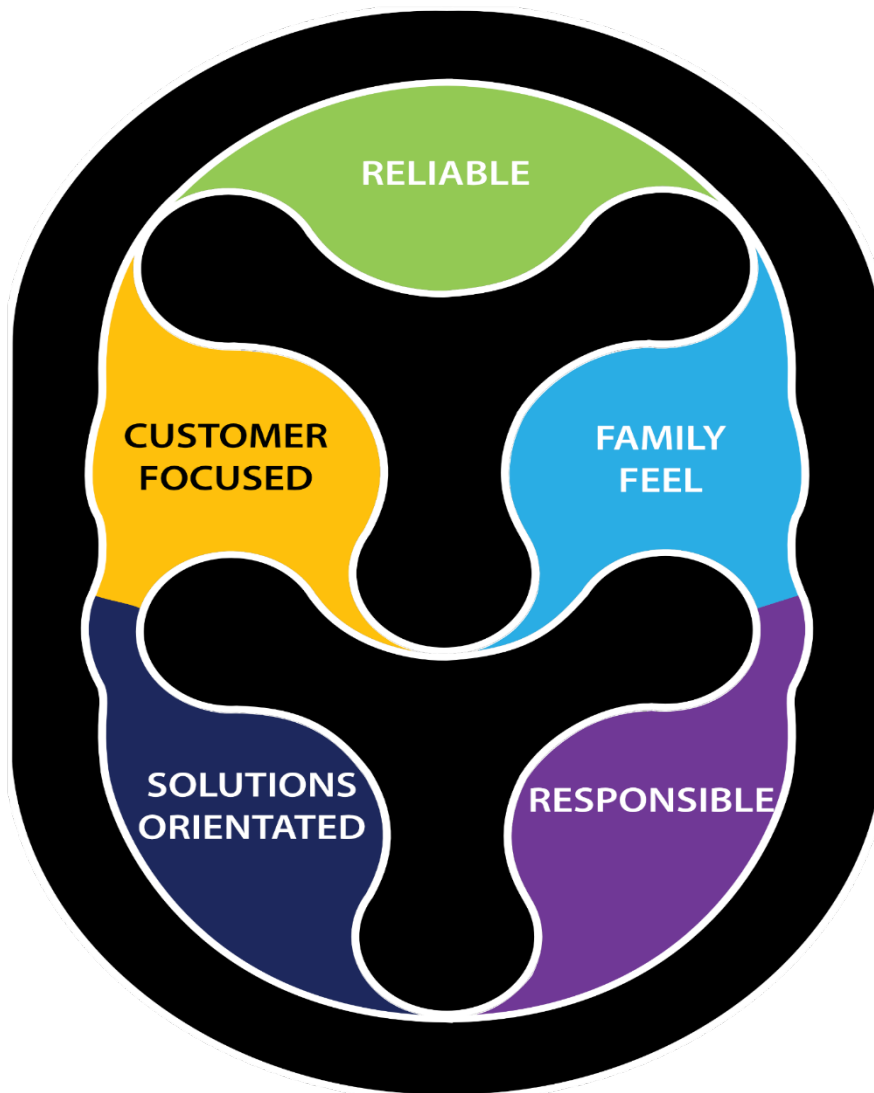
OTHER DUTIES:

A degree of flexibility is needed and the employee may be required to perform work not specifically referred to above.

HEALTH AND SAFETY:

The Company has a Health and Safety Policy which outlines it's responsibilities as an employer and the responsibilities of it's employees in respect of health and safety. All employees need to be aware of this policy and comply with it's content.

COMPANY VALUES



RELIABLE

Our customers trust us because we manufacture high quality, durable and long-lasting products which continue to deliver value over their lifetime.

CUSTOMER FOCUSED

We operate globally, with local presence across 5 continents. We are committed to supporting our customers from first contact and continually look for opportunities to add value.

FAMILY FEEL

We are proud to be a family business, we want all of our people to feel a sense of inclusion, support and belonging.

SOLUTIONS ORIENTATED

We are experts in the design and assembly of custom packages for challenging environments and work with our customers to deliver the best solution to suit their needs.

RESPONSIBLE

We are resource aware and mindful of full lifecycle costs. We are consciously seeking new applications that support a cleaner, safer, more sustainable future.

PERSON SPECIFICATION

	Essential or desirable
Education	
Mechanical /Electrical Engineering Apprenticeship or equivalent experience.	D
Mechanical / Electrical subject Degree	D
Knowledge and Experience	
Experience and knowledge of SolidWorks 3D or similar 3D CAD package.	E
Understanding and experience in the specifications, standards, requirements, and expectations of design of equipment within petrochemical / renewables industry.	D
Experience of piping layout/skid package design and/or rotating machinery	D
BOM structures	E
Skills and personal attributes	
Excellent communication, verbal and written skills	E
Ability to produce high quality engineering drawings. GA's, P&ID's Fabrication and Isometric.	E
Ability to quickly establish and where appropriate further develop effective relationships with key internal and external stakeholders	E
Excellent interpersonal skills to deal with challenging situations	E
Be innovative and open to new ideas	E
Find solutions to problems in an efficient and effective manner	E
Deliver with the highest integrity the best service to all our customers	E
Be resilient and positively adapt to change	E
Self-motivated with a desire to set high standards of work performance	E
Excellent organisational skills with the ability to manage workload with competing priorities and frequent interruptions	E
A positive outlook with the ability to inspire confidence	E