

▼ Project specification

General

Project name	Enhancement of Sales GA drawing module
Purpose of project	<p>Amarinth has developed an automated Sales Quotation System (SQS) which pulls together data from various sources within the company to generate a single, consistent sales quotation to meet a specific customer requirement.</p> <p>This work involves adding new Amarithh products to an existing drawing module used by the SQS. The module creates a drawing called a General Arrangement (GA) which provides the critical dimensions of the overall pump package.</p> <p>The GA is created automatically by selecting the appropriate drawing template and then adding the dimensions to it: the dimensions are stored in a library.</p>
Ideal profile	<p>The project would suit an IT undergraduate.</p> <p>The successful applicant will gain an understanding of how automation within a drawing office can add to, and benefit, the overall performance of a world-class engineering company. He/she will also gain experience in using a state-of-the-art 3D CAD system.</p>
Expected delivery date	2-3 months

Details

You will be working as part of the Hydraulic design team where you will learn about how Amarithh can provide—within a few minutes—a drawing of a pump package requested by a customer, together with its critical dimensions. These dimensions are very important to the customer as, in many cases, the pump is being fitted into an already defined space in, for example, an offshore oil rig or an oil refinery. Space is often at a premium and early sight of overall size can allow any necessary changes to take place or a discussion about how the size of the package can be reduced. Amarithh have a module which provides such a drawing.

This work is to enhance the package by increasing the range of pumps that it caters for. It will require analytical skills, attention to detail, and basic use of a state-of-the-art 3D CAD package.

Phase 1 Introduction to the General Arrangement (the drawing)

You'll be taught about what a General Arrangement is (and is not), how they are generated within Amarithh and how the module which creates them works.

Phase 2 Data management and analysis

You will collate data from various sources within the company and make it available to the GA module. It will also involve layout work to assess if everything will fit and, possibly, some research into capturing/calculating some dimensions. If new product templates are required, you will create GA drawings using the CAD package.

Phase 3 Approval and sign-off

The new GAs will be validated and approved by the Design supervisor.

▼ Duties and responsibilities

Details

Individual	<p>You will be responsible for the day to day progress of the project.</p> <p>You will report to an assigned manager at regular intervals who will support you and help keep the project moving.</p> <p>You will need to be capable of finding and collating large amounts of data and organising it on spreadsheets for other people to integrate into the existing systems.</p> <p>You will need to be able to analyse data, solve problems, and suggest solutions.</p> <p>It would be useful if you could operate 3D CAD (Solidworks), though this is not essential</p> <p>You will need to be able to interact and communicate efficiently with staff</p>
Supervisory	n/a
Other	n/a

▼ Person specification

General

Job title	Engineering assistant
Remuneration	£80 - £90 / day
Reports to	Engineering manager
Hours of work (total)	37.5 hrs / week – 9:00 – 5:00pm Monday to Friday

▼ Competency requirements

Key Competencies	How often required to successfully fulfill day-to-day role						
	Never	Sometimes	Moderately	Regularly	Frequently	Often	Always
Working together			X				
Communicating				X			
Valuing People			X				
Analysing, Understanding and Deciding					X		
Planning and Prioritising					X		
Demonstrating Resilience					X		
Integrity			X				
Contributing to Change			X				
Self-Determination					X		
Leadership			X				
Customer Focus					X		
Business Excellence				X			

▼ Other requirements

	Minimum requirement	Desirable requirement/potential
Qualifications	<ul style="list-style-type: none"> 5 GCSE's or equivalent (including English and Maths at Grade C or above). 2 A levels or equivalent preferably one in one of the sciences or maths 	<ul style="list-style-type: none"> Studying towards or already completed an Engineering degree
Experience	<ul style="list-style-type: none"> Problem solving & analytical work Working with spreadsheets & managing / manipulating large amounts of data 3D CAD modelling & drawing (preferably Solidworks) 	<ul style="list-style-type: none"> Understanding of basic technical drawings & terminology Training / presenting to others Managing a project.
Circumstances	<ul style="list-style-type: none"> Available to take up position with the Company, if offered the role, within 3 months. 	<ul style="list-style-type: none"> Available immediately.

Note

Whilst the above depicts the perfect candidate, Amarith is aware that many applicants will not currently possess all of the requirements. However, Amarith is committed to the continuous development of all its employees and will be looking for an applicant's potential to meet the requirements within 2 years. The company requires new employees to engage constructively and effectively with their Personal Development Plan 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.

If you would like to apply for this position, please download and complete an application form and equal opportunities monitoring form (which will be detached from your main application form and be used for monitoring purposes only), from <http://www.amarith.com/downloads/job-vacancies> and return to: David Woollard, Amarith Ltd., Bentwaters Parks, Rendlesham, Woodbridge, Suffolk, IP12 2TW.