



Business Unit	Technical
Job Title	Graduate/ Technical Engineer
Location	Cookstown

WE ARE CDE.

HERE TO CREATE OUR BEST WORLD, A TON AT A TIME.

Sand is a finite resource, and it's running out. Today, population growth and the pace of progress means the world is devouring sand like never before – 50 billion tonnes a year globally. This demand is unsustainable. Together with our customers we have already diverted over 100 million tonnes of waste material from landfill and put it back into the materials market for use in construction; protecting sand & aggregates in areas where natural material reserves are in decline and enabling production to happen closer to markets. We are minimising environmental impact and laying the foundations for the circular economy.

At CDE we work across the natural processing and waste recycling sectors, in five regions, to pioneer industry-leading, world-changing engineering solutions. Our headquarters are in Northern Ireland, and we have offices in the USA, Australia, Austria, and Brazil. For over 30 years we have relentlessly innovated and co-created wet processing solutions – completing over 2,000 global projects – and we're only getting started. Our purpose is to create our best world, a ton at a time; empowering our customers to transform their materials into valuable resources for the betterment of people, planet, and their bottom lines.

Discover more about life at CDE www.cdegroupp.com

Job Purpose

The Technical Engineers at CDE play a pivotal role in crafting innovative solutions that address our customers' most pressing challenges. The team work on projects throughout the project lifecycle from the conceptual stages in presales through to completion with the performance tests at the end of process commissioning. A technical engineer is responsible for designing and optimising process solutions, utilising the CDE product range and integrating third-party equipment when necessary. Engage in hands-on experimentation within our lab, conducting tests and trials to validate the performance and effectiveness of CDE equipment. Opportunities to participate in process commissioning activities worldwide, verifying the performance warranties provided during the pre-sales phase and finalising project completion. The role within the technical team is a great opportunity to gain in depth knowledge of the CDE equipment and the industry we work in, this experience will set foundations that will enable great personal and career development within.

Responsibilities

- Managing the specification for sales and current projects, including:
 - Create accurate plant technical specifications through liaising with sales team/customer.
 - Working as part of the operations team to produce accurate details for the design, purchasing and production departments required to deliver the project specification in an accurate and timely manner.
 - Inform Sales/Design/Purchasing teams about the various aspects of the project specification.
 - Perform pre/post project investigations to assist continual improvement for current/future work.
- Develop/manage the plant specification process to improve specification accuracy and efficiency.
- Supporting the sales team through preliminary technical specifications, site visits and technical advice on the products/process.
- Perform pre/post project investigations to assist continual improvement for current/future work.
- Develop/manage the plant specification process to improve specification accuracy and efficiency.
- To maintain and develop template O&M manuals specific to each CDE product model incorporating new designs and features when applicable.
- Ensure customer updates are captured and released on revised O&M Manuals and uploaded to CDE Connect with updates posted to the customer.
- To ensure technical documents are technically correct, clear and concise, which may involve collecting and understanding relevant complex technical information. Information is to be presented in a market-standard language to a worldwide audience.
- Process testing of the materials to allow washing plant design to be optimised and organise scheduling the testing of samples submitted for testing.
- Recording of all data linked to the testing activities.
- Reporting of all results in a professional format in keeping with CDE document procedures.
- In return, this role will offer interesting and challenging business projects that will allow the successful candidate to continue to develop professionally. You will be an integral part of this highly skilled team, who will offer support and a wealth of knowledge.

Personal Specification:

Criteria	Essential	Desirable
Qualification/ Attainments	- Good level of secondary education with high degree of numeracy and literacy	- Knowledge of data analysis and Microsoft PowerBI. - IFS system knowledge.
Relevant Experience	- Computer literate in Windows based Software Products and basic ability to work design packages. - Understanding of the Technical Specification Process.	- First or Upper 2nd Class Honours Degree - Educated to degree level in an Engineering discipline, preferably Mechanical or Chemical
Special Aptitudes	- Excellent numerical skills - Strong attention to detail - Ability to question. - Good interpersonal skills - Strong organisational skills - Tact, discretion, and respect for confidentiality - Ability to think logically and troubleshoot problems. - Excellent written and verbal communication skills. -	
Disposition	- Ambitious to progress and develop. - Able to work under pressure. - Enthusiastic self-starter - Team player - Reliable and honest - Customer focused	
Circumstances	- Available to work flexible hours and to travel as necessary. - Current driving licence and vehicle insured for business use. - Clearance to work in EU.	