



JOB DESCRIPTION

for the Engineering Department

referring to an

Project Engineer

at

ALE SOUTH AFRICA

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1. EXECUTIVE SUMMARY

Job Title	-	Project Engineer
Department	-	Engineering
Location	-	ALE South Africa (Western Cape, Airport Industria)
Contract or Permanent	-	Permanent, with a 3-month probation period
Travel Required	-	Yes (National & International)
Travel frequency	-	40% of time on site
Hours per week	-	55

2. ROLE DESCRIPTION

2.1. THE GLOBAL COMPANY

ALE is a leading provider of heavy lifting and transportation solutions to a wide variety of industry sectors worldwide, ranging from power generation to ports, from renewables to oil and gas, and from civil engineering to mining. We work with clients both onshore and offshore, and in many other challenging environments from high altitude, to desert and even arctic conditions. Our expertise lies in all aspects of heavy lifting and transportation, including specialised cranes, transporters, hydraulic equipment, and barges. The unique nature of our work means that we rely on highly skilled operators and engineers to work on our projects in a safety critical environment.

2.1.1. *IN SOUTH AFRICA OUR VISION IS:*

To be the industry leader in Africa, delivering projects exceeding stake holder expectations by accepting nothing less than excellence, based on a foundation of ethics, pride, teamwork and an enabling environment where talented people can excel!

2.2. ROLE PURPOSE

ALE is the abbreviation for “Abnormal Load Engineering”

Our engineers are at the heart of our business and are critical to our continued success.

As an Engineer in ALE SA you will be tasked to create engineering work that is innovative, high quality, accurate, clear, thorough, cost effective and safe for our stakeholders. We undertake to deliver these solutions timeously & to the stakeholder’s satisfaction, ensuring effective operational implementation. Whilst meeting our stringent commitments to health and safety, quality and impact on the environment.

If you’re looking for a role that provides constant challenge and variety, then look no further.

2.3. KEY RESPONSIBILITIES

- Engineering solutions for clients' / stakeholder's heavy transport and installation needs, both on site and in the office.
- Attend kick off meetings with Commercial and Operational teams to establish the client's / stakeholder's exact requirements.
- Ensure the engineering documents comply with company procedures, legislative guidance and good practice.
- Attend site visits to measure and record specific information, including the route details, and to ensure that this information is incorporated into the RAMS.
- Co-ordinate with the internal departments to ensure activities are compliant with ALE's agreed scope
- Provide technical support to the ALE site supervisor and respond to issues on site in a professional and timely manner.
- Audit site RAMS for compliance by the operational team and provide feedback to Engineering & Operations Department.
- Create & Review Engineering Drawings and Calculations
- Create & Review Risk Assessments
- Create & Review Method Statements
- Create & Review Equipment / Personnel lists
- Create & Review Project files
- Create & Review Route Surveys
- Report writing
- Complete daily admin tasks accurately:
 - (DWTS) Daily Work Tracking Sheets
 - Timesheets
 - Engineering Document Register
 - Master Document Register
- Conduct HSQE audits
- Capture HSQE observations

2.4. RELATIONSHIPS & STAKEHOLDERS

- Engineering Team – Fellow Engineers & Engineering Manager.
- Project Team – Project Managers
- Operations Team – Transport Manager, Lifting Manager
- Sales Team – Account Managers (pre and during project)
- Regional HSQE Advisor – Compliance with ISO 9001, 14001, 18001
- Clients
- Sub-contractors
- Public / Family & Friends
- ALE Colleagues

3. PERSON SPECIFICATION

QUALIFICATIONS / KNOWLEDGE - ESSENTIAL	<ul style="list-style-type: none"> Degree or Diploma in related engineering discipline
QUALIFICATIONS / KNOWLEDGE - DESIREABLE	<ul style="list-style-type: none"> Legal Liability Training Incident Investigation Risk Assessment Training First Aid Training Fire Fighting Training Route Cause Analysis Technique
EXPERIENCE - ESSENTIAL	<ul style="list-style-type: none"> Work placement in engineering or related business.
EXPERIENCE - DESIREABLE	<ul style="list-style-type: none"> Relevant experience in a similar industry for a minimum of two years Travel, with extended periods abroad
SKILLS - ESSENTIAL	<ul style="list-style-type: none"> Designs and Engineering drawings using AutoCAD Report Writing Intermediate Excel/Word/PowerPoint/Outlook
SKILLS - DESIREABLE	<ul style="list-style-type: none"> Advanced Excel AutoDesk Inventor (3d Modeling) Clear understanding of the relevant equipment and its use
PERSONAL ATTRIBUTES - ESSENTIAL	<ul style="list-style-type: none"> High level of self-motivation (Proactive) Good communicator – written and verbal Able to work as part of a team Able to learn new techniques and procedures Able to invent and propose new methods of work/modifications to existing systems Come up with logical solutions to problems Quality and detail focus Organized (Accurate document numbering and filing) Able to work and handle pressure
PERSONAL ATTRIBUTES - DESIREABLE	<ul style="list-style-type: none"> Able to lead a team Clear concise communicator – written and verbal Able to adapt communication style to suit audience (Site operator – Client – Board member) Effective planner
OTHER REQUIREMENTS - ESSENTIAL	<ul style="list-style-type: none"> Willing to travel and work within and outside South Africa for extended periods Current and valid driver's license Current and valid passport, no restrictions
OTHER REQUIREMENTS - DESIREABLE	<ul style="list-style-type: none"> Willing to relocate internationally International driving license