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## **QATAR FERTILISER COMPANY (S.A.Q.)**

[www.qafco.com](http://www.qafco.com)

the Jewels of Growth

plants

(Qafco-5) including a Melamine Plant to meet its operational requirements, it has the following vacant position:

- Electrical Testing & Protection Engineer
- Project Costing Engineer
- Mechanical Project Engineer
- Process Project Engineer
- Instrument Project Engineer
- Instrument Staff Engineer
- Production Support Engineer
- MRP Controller - Instrument
- Sr. Technician - Scaffolding/ Painting
- Sr. Technician - Steel Structures
- Sr. Technician - Refractory
- Sr. Technician - Testing & Protection
- Instrument Technicians - (Ammonia/ Urea/ Compressor House/ Control Value)
- Electrical Technicians (Power Station / Field / Meterial Handling / Workshop)
- Mechanical Technician - Workshop
- Auto Technician
- AC Technician
- Condition Monitoring Technicians
- Process Operators - Ammonia
- Carpentry Technician
- Plumber
- Welder
- Purchase Officer
- Assistant Shipping Officer

## ELECTRICAL TESTING & PROTECTION ENGINEER

Qafco, the world's largest fertilizer manufacturing site, requires a Protection Engineer to set up and maintain a new protection and test unit within the Electrical Maintenance organization.

The site has an extensive power systems network incorporating bulk power importation at 132kv; internal power generation up to 200mw; and an extensive distribution network at 66kv, 11kv, 3.3kv, 690v and 415v.

The bulk of the electrical system comprises a large variety of electricity utilization schemes, mainly drives, at 11kv, 3.3kv, 690v and 415v.

Major electrical equipment includes power transformers up to 125 MVA, 132kv; power generators up to 80MVA, 11kv; power cables operating at up to 132kv; and electrical drives (induction and synchronous machines) up to 4.2MW, 11kv.

The Protection Engineer will be required to:

- Review existing protection and control schemes for the above equipment and associated control systems, including emergency load management systems.
- Design protection and control schemes for new equipment and systems going forward.
- Establish and maintain a register of all protection and control schemes and related settings.
- Establish and maintain protection and test routines for the above equipment and associated control systems, including emergency load management systems.
- Conduct or initiate network studies as necessary.
- Generally provide support and advice for Field Maintenance Engineers on protection and control matters.

BSc Engineering (Electrical) degree or equivalent, coupled with solid practical experience and demonstrable competence in power systems protection and testing is required for this position.

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## Project Costing Engineer

This position reports to the Leads the Project Services Group leader in the Projects Section. The ideal candidate should have a Bachelors Degree in Engineering with 6 years of relevant experience in industrial projects cost management in Chemical / Fertilisers / Petrochemical plants.

Experience in P3e Primavera planning Systems and Enterprise Resource Planning (ERP) System is an advantage.

His key responsibilities include:

- ✓ Coordination of all aspects of developing cost estimate , cost monitoring and control reporting for projects in cooperation with project coordinators
  - ✓ Develop and maintain procedure and tools on projects cost estimation and control.
  - ✓ Assist Lead Engineer in establishing project planning schedules, follow-up progress reporting and annual project budget annual frame.
  - ✓ Analyse cost trends, Analyse and review cost forecast, prepare monthly cost reports for individual projects as well as projects portfolio.
  - ✓ When required, participate in contract commercial bids evaluations.
  - ✓ Evaluate contractors cost control organisation, plans, performance and procedures when required.
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## Mechanical Project Engineer

Projects section in QAFCO is responsible for developing and executing projects in a large production complex. The project size may range from minor to major and will be multi disciplinary in nature. The position reports to the Lead of the Mechanical Project Group in the project section. The selected candidate is responsible for the planning, cost estimation, design, preparation of specification and tender documents, performing technical calculations, evaluation of bids and supervision of the construction and commissioning of piping and mechanical equipment, including high pressure equipment / rotating equipment. The candidates must have a Bachelor Degree in Mechanical Engineering, good communication skills, able to manage his own portfolio in line with the master schedule of the section , works in a team atmosphere, simultaneously coordinates multi project activities with all the team members, conversant with pipe/vessel design and familiar with codes, standards ( ASME, ANSI, API,NACE etc.), Layout, GA drawing, isometrics, flexibility analysis, PFD, P& id, vendor equipment drawing and have a computer proficiency (Msoffice package, AUTOCAD, PVELITE, CESARII / AUTOPIPE). A minimum experience of 10 years as Mechanical Engineer(with minimum of 5 years in projects) in handling piping, mechanical static and rotating equipment projects as a coordinator/member, related to Fertilizer / oil and gas industries is required.

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## Process Project Engineer

The position reports to the Lead of the Process Project Group. He will be responsible for performing process related investigations including root cause analysis to problems, evaluate conceptual alternatives and propose a best solution. Furthermore the candidate will co-ordinate evaluations of proposed conceptual solutions by planning, cost estimating, performing technical calculations during basic engineering, preparing of specification and tender documents, and evaluating of bids during pre-projects. He will execute and report this work in a time and cost effective manner through good engineering practices including leading of Hazop studies.

He must have a Bachelor Degree in Chemical Engineering, have simulation experience and be fully conversant in standard office packages. A minimum experience of 6 years as Process Project Engineer in projects related to ammonia / urea manufacturing plants.

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## Instrument Project Engineer

The position reports to the Lead of the Instrument Project Group in the project section. The position is responsible to perform instrument project works such as initial studies, detailed design work (calculations, specifications, field and system design), create and follow up of purchase orders / contracts, follow-up of construction and commissioning activities and final documentation. The project types may range from minor field or system related to major multi discipline projects involving teams of more than 10 persons. The candidate shall have proven project experience in field instrumentation, Process Control and Safety Shutdown Systems, Rotating machinery instrumentation & controls, Process Gas Analysers, multi discipline project management skills including, project planning, scheduling, Cost estimation and controls.

The candidate must have a Bachelors Degree in Instrument / Electronic / Control Engineering with minimum 7 years relevant experience from Fertiliser, Oil, Gas or Petrochemical industry. Some experience with Honeywell TDC-3000 or PLCs such as Triconex and Honeywell FSC is advantageous

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## Instrument Staff Engineer

Responsible to carry out various Engineering activities in the field of Instrumentation including planning, prioritising, execution and monitoring. He will also be responsible for reporting on the work progress, problem analysis & trouble shooting, predictive maintenance and problem anticipation. He should also participate in studies, investigation and improvement projects, follow up of technological trends, procurement, contract coordination and bid evaluation, proper planning for spares and consumables and technical documentation. Also be responsible for the successful implementation and administration of QAFCO's Management Systems. The successful candidate should possess a Bachelors Degree in the Instrumentation Engineering from a recognized University with a minimum of 5 years of relevant experience in the Engineering field within the Oil/Gas & Petrochemical Industry.

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## Production Support Engineer

The position is responsible to perform the following:

- Carry out various Engineering activities in analyzing and resolving problems of technical nature in his respective area of specialization.
- Will be involved in the planning, prioritizing, execution and monitoring of engineering activities / projects, reporting work progress, problem analysis & trouble shooting, predictive maintenance and problem anticipation.
- Will participate in studies investigations and projects, maintain contact with process licensees / equipment manufacturers, provide specifications with regard to procurement, contract coordination and bid evaluation.
- Will do inter-departmental level studies, improvement projects and focus in areas and problems common to all plants.
- Should provide technical support for the department and cover for technical positions within Production.

Requirements:

- Bachelors Degree in relevant Engineering Discipline from a recognized University.
  - Minimum 8 Years of experience in a relevant Engineering field within the Oil/Gas & Petrochemical Industry
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## MRP Controller – C Instrument

**The position is responsible to perform the following:**

- Maintaining stock of material needed for maintenance of the plants.
- Maintain stock level at an economically acceptable optimum level by analyzing historical usage, change in lead times, identify spare parts interchangeability and change in use patterns
- Analyze spare parts usage and recommend changes of MRP data
- Material requirement planning & control
- Forecast material requirements based on MRP Run in ERP system and analyze accuracy of Master Data in replenishment suggestion
- Recommend changes to inventory levels based on supply/demand analysis.
- Analyze inventory minimum and maximum levels (Safety stock) for stock items.
- Replenishment of stock items, generate PR's, monitoring critical and shut down PR's
- Follow up with Purchase on all past due Purchase Orders.
- Analyses requests from Purchase/Suppliers for change of specifications or replacements and obtains consent from concerned Engineers.
- Identification spare parts interchangeability.
- Generate codification request of new stock items.
- Development and continuous improvement of MRP process and the use of ERP System
- Comply with QAFCO Management Systems procedures.
- Development of Training aid in MRP as necessary

### **Requirements:**

- Bachelors Degree in Engineering from a recognized University.
- 10 years of relevant experience in Material Planning function within an oil/gas or petrochemical industry.
- Specialized Training in Stock Control & Materials Management with Solid experience in Instrumentation and Electrical discipline
- Knowledge of internal processes, standards, policies and procedures will be an added advantage
- Knowledge of Computer Applications (MS Office).

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## Instrument Technician – C Field (Ammonia / Urea)

The position is responsible to carry out skilled troubleshooting, repair and preventive maintenance of field instruments and systems, mainly related to the Ammonia/Urea plants. The technician shall have good skills in : Honeywell TDC 3000 DCS and PLC systems preferably Triconex & FSC, Troubleshooting and tuning of control loops, servicing and calibration of various field instruments for pressure, temperature, level and flow measurements and control valves with accessories. Good PC knowledge. The candidate should have a Diploma in Instrument Engineering or equivalent with 5 years experience from process industry, preferably from an Ammonia/Urea fertilizer complex.

## Instrument Technician – C Compressor House

The position is responsible to carry out skilled troubleshooting, repair and preventive maintenance of field instruments and systems, mainly related to steam turbines, gas turbines and compressors. The Technician shall have skills in (1) Bently Nevada machine protection systems, (2) Honeywell TDC-

3000 DCS, (3) PLC systems (preferably Triconex), (4) Compressor controls, (5) Servicing and calibration of various field Instruments for pressure, temperature, level & flow measurements and control valves, (6) Knowledge of ISO systems and (7) good PC knowledge. He must be fluent in both spoken and written English. Knowledge of GE frame 6 gas turbines, Rolls Royce Avon gas generators and Speedtronic Mark V control system will be an added advantage.

The candidate should have a Diploma in Instrument Engineering or equivalent with 5 years experience from process industry, preferably from an Ammonia/Urea fertiliser complex.

## Instrument Technician - Control Valve

The candidate should have experience for industrial instrument servicing and calibration of field work at fertilizer plant, Petrochemical, Refinery or Chemical plants. He should be familiar with all type of control valves overhauling, coupling and de-coupling, dismantling, and calibration. Actuator basic function. Idea regarding the fabrication and installation of bracket, tubes, and control valves accessories, regulators, limit switches, positioner, field view. And act. Knowledge of control valves specification, other control valves manuals documentation and familiar with computer. Ability to assist support, to lead a contractors group of technicians for any manor jobs like SD, Unforeseen, and plan shut down.

The candidate should have a minimum education of Technical Secondary School followed by 2 years Technical Preparation Program or equivalent (or preferably a Diploma) with a minimum of 7 years relevant experience in industrial instrument workshop fieldwork. Must have taken training for safety awareness in chemical plant environment.

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## Electrical Technician (Power Station/ Material Handling/ Field/ Workshop)

The position functions within different Electrical Field Groups and the Workshop and is responsible for the Maintenance of Electrical equipment, switchgears, motors and troubleshooting. The position holder should have a Diploma in Electrical Engineering and possess at least 8 years experience at chemical plant in installation and maintenance of Low voltage 415V and medium voltage 3.3KV switchgears; 415V, 3.3KV and 11KV motors; battery, battery charger and UPS; low and medium voltage power cable, control cable, control system components, contractors, relays, timers, overloads, lighting systems, etc. Knowledge of area classification and hazardous area equipment is essential and knowledge in frequency converters, PLC's, motor winding and DC motors and the maintenance of electrical equipment, PLC, UPS and Frequency Converters is an advantage.

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## Mechanical Technician - C Workshop

The candidate is responsible for the repair and overhaul of mechanical equipment, such as single stage & multistage pumps, gear boxes, screw compressors, control valves, relief valves, isolation valves, etc. The candidate should hold a Technical High School Certificate or Diploma in Mechanical Engineering with 6 years experience in a similar position in workshops of major process or equivalent industries. The candidate should be capable of reading engineering drawings, technical manuals and instructions and should be fluent in English language and computer literate.

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## Auto Technician

The candidate will be responsible to carry out day to day maintenance and overhaul of engine/transmission and hydraulics of wheel loaders, forklifts, mobile cranes, vehicles, air compressors etc. He must carry out High Pressure water jet cleaning of heat exchangers and should

be computer literate. The candidate should have a High School Certificate and a minimum of two years training in Auto trade from a recognised Training Institute with a minimum of 6-8 years experience as a Technician in a large auto workshop handling IC engines and electrical systems of automobiles. The candidate should also be capable of reading Electrical Wiring Diagrams, Technical Manuals and Instructions preferably electrical diagrams.

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## AC Technician

The position is responsible to log all operating conditions of the running and standby HVAC equipment and to carry out all maintenance activities. The candidate should be capable of reading engineering drawings, technical manuals, instructions, troubleshooting and to work independently. The ideal candidate should have a trade certificate or diploma in Mechanical Engineering and excellent hands on experience in HVAC preferably more than 6 years from an industrial organization. Good communication skills, both written and spoken English are essential and computer literacy.

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## Condition Monitoring Technician

The candidate is responsible for Condition Monitoring of all large and small machinery including Gas turbines. The candidate should hold a Diploma in Mechanical Engineering, training / certification from reputed institutions such as Vibration Institute and Bently Nevada and 6 years experience in a similar position in major process or equivalent industries. The candidate should be an experienced user of CSI portable and Bently Nevada online Systems, including RBMware and System1. Preference will be given to the holders of Category II Certificate in vibration analysis from Vibration Institute. Experience of machinery maintenance will be an added advantage.

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## Welder

The position is responsible for welding jobs in the welding workshop at the company's site. The ideal candidate should have minimum Technical High School education level or Certificate in welding trade (GTAW and SMAW process), with minimum 6 years experience in welding technology of piping and structure, preferably from a major fertilizer or petrochemical industry. The candidate should be capable of reading Engineering Drawings, Technical Manuals and Instructions. PC knowledge desired.

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## Assistant Shipping Officer

The Position is responsible for shipping documentation, preparation of statistics, data entry into dedicated software and secretarial functions. The candidate should have graduate level education, fluency in English and knowledge of MS office packages (Excel, Word and PowerPoint) and a minimum experience of 5 years in shipping industry preferably should have handled complete post-shipment operations in dry bulk and/or tanker chartering. Knowledge of COA, TC will be added advantage.

**Particular emphasis on the following:**

1. Knowledge Shipping documentation
2. Basic Accounting knowledge and background of Shipping Accounts concept.
3. Must be good in Typewriting
4. Good command on English language and should be good in drafting messages and letters in English
5. Experience in container trade is preferred
6. Holding valid Driver License

## Remuneration Package:

Competitive basic salary and attractive allowances and benefits which include free family housing/allowance, free annual return ticket allowance for self and family, end of service benefit, annual leave, free medical care, interest free car loan, furniture grant, children education assistance, annual bonus, location allowance, annual increments, recreational facilities, etc.

## How to Apply:

Suitable candidates should forward/ submit their CVs as MS WORD format document through email with the detailed job/ work experiences, within 15days from the date of advertisement to the following address :

[qafco@mackpak.com](mailto:qafco@mackpak.com)

Also visit <http://www.mackpak.com/default.asp?pgId=133>