



Falkland Islands Government – Job Description

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|--------------------|---|------------------|-------------|
| Job Title: | Estates Engineer (Mechanical) – Level 3 | | |
| Department: | Health & Social Services | Section: | Engineering |
| Reports to: | Estates and Engineering Manager | | |
| Grade: | D2 | Job Code: | 213ME6 |

Job Purpose

The primary responsibility of the post holder will be the maintenance, repairs and testing of the Hospital's Plant and systems, including Oil Fired Boilers, Circulation pumps, hot and cold water services, Internal drainage lines, Decontamination Equipment and minor electrical related tasks. This is not an exhaustive list, but is intended to encapsulate all disciplines within hospital engineering, including emerging technologies.

Main Accountabilities:

Operational

- As noted in the job purpose, the primary accountability will be to carry out planned maintenance tasks, repairs and testing of the Hospital's Plant and systems. These tasks will encapsulate all disciplines within the KEMH's engineering remit, including emerging technologies as well as training in multiple mechanical systems.
- Managing multiple tasks and applying experience and skills set across the spectrum of hospital engineering mechanical systems to manage multiple tasks within different specialist areas simultaneously, taking into consideration the impact of the workflow and how it affects other areas.
- Carrying out planned preventive maintenance tasks on equipment as required and any reasonable maintenance duties as requested, which may have to be conducted out of normal hours to suit equipment availability and site access.
- Being accountable for and assuming responsibility of the duties for "Competent" and "Authorised" person in relation to specified technical operational procedures such as Medical Gases, Electrical, Healthcare Water Safety, Lifts etc and taking a full and active role in the interpretation of all-technical policies and guidelines drafting amendments and new policies where required.
- Responsible for auditing all specialist engineering areas Medical Gases, Electrical, Water Safety, Lifts etc.
- Taking a full and active role in the interpretation of all-technical policies and guidelines.
- Designing, writing and programming Preventative Planned Maintenance (PPM) tasks on Computer Aided Facilities Management System as required by line management.
- Advising line management regarding plant or equipment failures and when the Estimated Time Back On Line (ETBOL) will be.
- Negotiating and proactively resolving large, complex multi-faceted problems over the spectrum of hospital engineering.
- Applying appropriate fault diagnosis and decision making in times of emergency, making justifiable decisions, prioritising work and achieving the best and safest outcome to the satisfaction of the end users and the organisation.



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Main Accountabilities continued:

Operational continued

- Carrying out work safely and in accordance with KEMH rules, policies and procedures, utilising safety equipment and protective clothing where appropriate.
- Taking part in the 'on-call' rota for all aspects Hospital Engineering and in order to provide engineering support for Aeromed evacuations in cases of extreme emergencies where patients require to be medevaced to appropriate medical facilities in South America.
- Taking an active part in any boards, groups or committees as required.

Resource Management

- Manage the logistical resupply of equipment required for reactive repair.
- Overcoming workflow issues resulting from emergency clinical activity, to ensure critical maintenance is reorganised and planned in so equipment does not go out of date for planned maintenance.
- Carry out evaluations of existing plant and equipment and prepare risk based plans for the modification/upgrade/replacement of services and equipment.
- Provide assistance with and contribute to the annual maintenance budget by identifying and co-ordinating maintenance routines in conjunction with line management.
- Plan and organise validation visits for external specialists and suppliers.

Development activities

- Attending and undertaking any training (local and overseas) as deemed necessary.
- Undertaking Continuous Professional Development (CPD).
- Coaching and mentoring less experienced/professionally qualified staff as necessary.
- Participating in continuous improvement initiatives to ensure ongoing improvements by engineering team.

The job description is not an exclusive or exhaustive definition of your duties. You shall undertake such additional or other duties as may reasonably be required by FIG commensurate with your role and grade.

Additional Information

KEMH although on a small scale, would be considered an Acute Hospital in the UK and the Estates / EBME Management would be performed by more than one post holder. Senior Engineers must therefore be able to maintain a wide range of complex equipment in-house in conjunction with manufacturer's service requirements and relevant statutory obligations and guidance as a result. A broad knowledge of healthcare engineering functions is therefore extremely useful. The KEMH also work to the standards set by UK professional bodies.

'On call' Aeromed duties may require the emergency response team to spend 2 – 3 nights in South America. Training will be provided to ensure familiarity with the requirements of undertaking such activities. (NB If 'On- call' in this role, you may get as little as 20 minutes notice to come to work).



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Criminal Record Checks – This post is regarded as a sensitive post

All applicants for Government posts will be asked to disclose convictions upon application. Criminal records will only be considered for recruitment purposes when the conviction record is relevant. Having an 'unspent' conviction will not necessarily bar a candidate from employment. This will depend on the circumstances and background to the offence(s).

Any information given will be completely treated as confidential and will be considered only in relation to the post to which the application refers. Failure by a candidate to reveal information that is directly relevant to the post applied for could lead to the withdrawal of an offer of employment.



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| Person Specification: | Estates Engineer (Mechanical) – Level 3 | | |
|--|---|-----------|-------------------|
| Criteria | Essential | Desirable | Assessment Method |
| Education and Qualifications | | | |
| Professional knowledge acquired through degree (or equivalent) in a relevant subject <u>or</u> a minimum of 10 years relevant work experience in a role of similar seniority/level/complexity following completion of recognised and registered apprenticeship or recognised equivalent. | ✓ | | A |
| Corporate membership of relevant UK professional body (or international equivalent recognised by FIG for this purpose) | ✓ | | A |
| Current driving licence | ✓ | | A |
| Evidence of ongoing personal and technical development | ✓ | | A/I/R |
| BTEC in Medical Gases for Competent Persons | | ✓ | A |
| Quarterly testing Large Porous Load Sterilisers to NHS guidance | | ✓ | A/I |
| Washers and disinfectors Periodic Testing to NHS guidance | | ✓ | A/I |
| Automated Endoscopic re-processors quarterly testing to NHS guidance | | ✓ | A/I |
| Management Qualification at NVQ level 5 or above | | ✓ | A |
| Approved Person (Water) for healthcare trained to NHS standard HTM 02 | | ✓ | A |
| Competent Person (HVAC) for Healthcare trained to NHS standard HTM 03 | | ✓ | A |
| Oil Fired Appliance Certificate (OFTEC) | | ✓ | A |
| NB Equivalent combinations of educational qualifications and experience may be considered | | | |
| Knowledge, Skills and Experience | Essential | Desirable | Assessment Method |
| Minimum of 6 years' relevant work experience as a substantive Hospital Engineer or in a senior engineering position in a health care/public service environment with an Estates background | ✓ | | A/I/R |
| Extensive knowledge across the spectrum of hospital engineering mechanical systems and capacity to manage multiple tasks within different specialist areas simultaneously and understand the impact of work and its effects on other areas | ✓ | | A/I/R |
| Able to effectively diagnose, analyse and solve complex mechanical/engineering challenges covering the spectrum of hospital engineering | ✓ | | I/R |
| Ability to work autonomously and make significant operational decisions, often in the capacity as a sole subject matter expert, to achieve resolutions | ✓ | | A/I/R |
| Ability to organise workloads effectively and demonstrate an ability to manage priorities and make sound and safe decisions under pressure | ✓ | | A/I/R |



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| Knowledge, Skills and Experience continued: | | | |
| Proven ability to use Microsoft programs such as Office and the ability to plan and record maintenance data on relevant databases | ✓ | | A/I/R |
| Able to fluently navigate mechanical and electrical control drawings, including hydraulics and pneumatics as well as water systems | ✓ | | I/R |
| Able to communicate effectively both verbally and in writing with colleagues, specialist & non specialists, Contractors & suppliers | ✓ | | A/I/R |
| Well-developed numeracy skills and experience of effectively managing budgets | ✓ | | A/I/R |
| Good interpersonal skills and the ability to build productive and professional working relationships with a range of stakeholders | ✓ | | I/R |
| Ability to work well within and lead a small team | ✓ | | I/R |
| Able to understand and comply with the requirements of all operational Engineering and H&S policies and procedural requirements | ✓ | | I/R |
| Able to work safely in patient areas and be aware of appropriate demeanour towards hospital users and patients whilst carrying out day to day work | ✓ | | I/R |
| Works to, and continually maintains, high mechanical engineering standards | ✓ | | I/R |
| Ability to adapt quickly and effectively to new ideas, knowledge and skills and apply them effectively in the workplace | ✓ | | I/R |
| Ability to adhere to and maintain strict confidentiality requirements at all times | ✓ | | I/R |
| Ability to use own initiative effectively and demonstrates sound judgement | ✓ | | I/R |
| Demonstrates good time management skills | ✓ | | A/I/R |
| Personal Attributes | | | |
| Service user and patient focused | ✓ | | I/R |
| Analytical Mind and a strong critical thinker | ✓ | | I/R |
| Supportive of colleagues and team focused | ✓ | | I/R |
| Able to satisfy the physical demands of the job | ✓ | | I/O |
| Self-motivated and able to deal with uncertainties and challenge | ✓ | | I/R |
| Resilient and able to work calmly under pressure | ✓ | | I/R |



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Note to Applicants: Please ensure that you demonstrate your ability to meet the requirements of the job by giving clear, concise examples of how you meet each criterion on your application form.

Method of assessment:

- A - Application Form
- I - Selection Interview
- R – Reference
- O - Other