

## Mechanical Technician (Multiskilled)

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<b>Department:</b>	Health & Community Services	
<b>Section:</b>	Estates and Hard Facilities	
<b>Reports to:</b>	Mechanical Technician (Multiskilled) Chargehand and Mechanical Engineering Manager	
<b>JE Ref:</b>	HCS1162	
<b>Grade:</b>	TECH08	<b>JE Date:</b> 16/11/2022

### Job purpose

Carry out a range of duties in relation to a cross section of plant, machinery, infrastructure, and medical devices located within HCS assets including testing, inspecting, condition surveys, routine and reactive maintenance, and the installation of components/equipment, from the perspective of mechanical engineering.

### Job specific outcomes

- To inspect, diagnose and repair faults on technical equipment and assets, including the installation and commissioning of new equipment.
- Carry out and develop planned preventative maintenance, servicing and overhauls of equipment and assets including performing inspection and testing of medical devices and systems in accordance with the statutory regulations appropriate to the equipment being worked on. This will include but not be limited to the following -
  - Air handling plant, environment controls and ventilation distribution network
  - Commercial and domestic hot and cold-water services
  - Foul and surface water drainage systems and plant
  - Emergency diesel generator plant
  - Hydrotherapy pool plant and services
  - Water treatment plant and controls
  - Commercial laundry and catering equipment
  - Medical and surgical equipment, furniture, and appliances
  - Laboratory plant and equipment
  - Patient handling equipment, hoists beds, couches lifting and mobility aids
  - Medical gas pipeline systems appliances and monitoring equipment
  - Steam raising plant (up to 10bar) distribution systems and ancillary plant
  - Industrial and domestic heating and hot water boilers, distribution systems and ancillary plant.
  - Decontamination plant, disinfection, and sterilization services
  - Adherence to Hospital Technical Memorandums and relevant statutory and non-statutory legislation.
- The role holder has what is termed a core skill, but also a relevant secondary skill allowing them to broaden the range of tasks and activities to which they will be deployed. This will be following

relevant training to a minimum of 10 days via an accredited organisation

- They will take an active role in the creation, development and implementation of health and safety written risk assessment including the production of written dynamic risk assessments when in site and dealing with situations not conforming to a standard risk assessment. The role holder will assist asset owners, chargehands and managers with the production of method statements when requested
- Assist in the design, manufacture, or modification of simple components, which are not subject to statutory design criteria, nor affecting the safe use or operation of any equipment. This will therefore involve the role-holder using machining skills to, for example, fashion pump shafts of dimensions, shape, or other requirement, from raw materials, such as metal bars. The metal used can vary, and may be, for example, bronze, brass, or stainless steel and to fabricate/weld/construct components from sheet steel/stainless steel/aluminium/alloys.
- Carrying out all required preparation and cleaning of equipment and assets both prior to, and following, maintenance or repair. The role-holder is required to use appropriate tools and specialist machinery in a safe manner to carry out the necessary tasks efficiently
- Periodically, the role-holder will organise jobs distributed by line managers and chargehands from other sections, particularly where it is critical for a job to be undertaken or in emergency situations when time is very limited.
- The role holder is required to report back on the work that they have carried out, the materials used, the time taken, any further work which may be required and the condition of the asset in question by using the appropriate work reporting system

### Statutory responsibilities

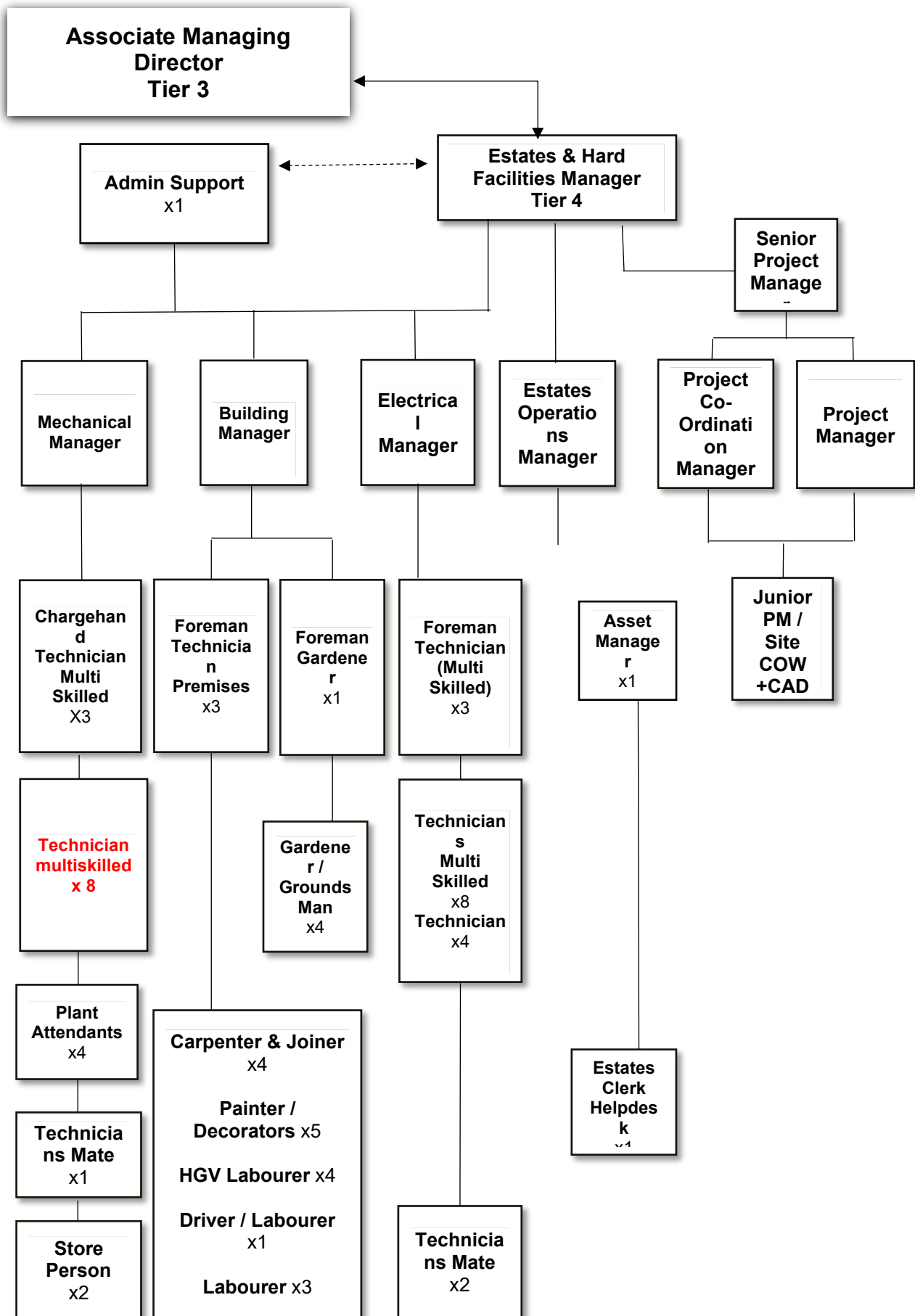
Active engagement, participation and compliance with any other statutory responsibilities applicable to the role, as amended from time to time.

### Organisational structure

#### Government Departments



**Organisation chart**



## Person Specification

### Specific to the role

ATTRIBUTES	ESSENTIAL	DESIRABLE
<p><b>Qualifications</b></p>	<p>The role holder is required to have a Level 3 City &amp; Guilds qualification, BTEC level 3 qualifications in a mechanical discipline or an accepted equivalent. Attained or working towards HNC level</p> <p>Beyond this, with the specific skill dictated by organisational need the role holder will have a further qualification other than their core skill requiring 10 days or 80 hrs training delivered by a recognised training provider such as –</p> <p>Competent/Authorised person medical gases – 5–10-day C&amp;G qualification</p> <p>Competent/Responsible person water hygiene and legionella control – 5 day C&amp;G qualification</p> <p>Competent/Authorised person Healthcare ventilation - 5–10-day C&amp;G qualification</p> <p>Competent/Authorised person pressure systems - 5–10-day C&amp;G qualification</p> <p>Competent/Authorised person decontamination - 5–10-day C&amp;G qualification</p> <p>Boiler Operator Accreditation scheme – 5 day C&amp;G qualification</p> <p>Steam plant maintenance such as Spirax Sarco (UK) or Dunphy</p>	

	<p>Combustion – 5 day C&amp;G qualification</p> <p>Mechanical to electrical conversion to include electrical inspection and testing – 5 day C&amp;G qualification</p>	
<b>Knowledge</b>	<p>Fully apply judgement in relation to the inspection, certifying and signing off to work, to determine that it complies with all requirements.</p> <p>Sound knowledge of mechanical systems, plumbing &amp; heating, steam plant, welding, machining, or hospital related engineering disciplines and fitting skills. Must be able to read and understand mechanical drawings, specifications, maintenance manuals, diagnostic fault-finding charts and schematic diagrams</p> <p>Basic knowledge of Electrical installation and safety.</p> <p>Be competent to produce and monitor adherence to risk assessments and method statements.</p> <p>Have the ability to plan for, supervise and monitor more junior personnel, including apprentices</p> <p>Be able to work collaboratively with others as a team member and adhere to all safety and governance procedures</p>	
<b>Technical / Work-based Skills</b>	<p>Applicant must hold a valid car driving license and be able to communicate in a technical manner.</p>	<p>Medium goods, PAL</p>
<b>General Skills/Attributes</b>	<p>Good verbal and written communication skills along with pc literacy are essential. The</p>	<p>Leadership experience and ability to work both</p>

	<p>ability to work alone with minimum supervision and be responsible for your own decision-making is required.</p> <p>The predominant internal contact will involve the role holder receiving both written and verbal work instructions from either a chargehand or the role holders line manager. This will occur on a daily basis and will generally be confirmed by a computer-generated worksheet sent to their phone. The role holder will also engage in face-to-face discussions, telephone communications, and in providing written reports. It is important for the role holder to ensure that they are clearly communicate the status of the equipment or asset that they are working on, principally, conformation that it is back online and safe to use.</p> <p>The role holder will be expected to fully report all work carried out, materials used, time taken, and any additional work that may be necessary</p>	<p>as a team and without direct supervision.</p>
<p><b>Experience</b></p>	<p>An individual recruited to the role externally would be expected to have reasonable knowledge of the field of work, gained from on-the-job training. Where recruiting internally the recruit would have completed an apprenticeship or hold the correct certification for the role if moving from another department</p> <p>An individual recruited with the requisite qualifications and experience should be up to speed to perform the role at an acceptable standard after a period of between 6 to 12 months.</p>	<p>Proven specialised experience and knowledge of hospital systems and the environment.</p>

	<p>The role holder must also complete relevant specialist short training courses which will relate to individual items of equipment or assets. These are typically of one week's duration and are provided by either equipment manufacturers or specialist training providers</p>	
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