

GAS NETWORKS TECHNICIAN



Do you want to work as part of an exciting, challenging, and essential service that actively encourages women to participate and provides the following opportunities?

- develop transferrable skills
- every day will be different
- advance your career
- negotiate flexible hours
- potential to make a substantial income



OVERVIEW OF INDUSTRY

The Energy and Electrotechnology industries in Australia include the design, commissioning, installation, testing, fault-finding, servicing, maintenance, assembly and repair of gas transmission pipelines, gas distribution networks, gas cylinders and associated facilities and equipment. The Gas Supply, Transmission, Distribution and Gaseous Fuels industry provides vital services to Australian homes and businesses and often works closely with the electrotechnology industry to install components of the gas supply network. The gas industry is growing and driving enormous investments in Australia, contributing to the country's economic growth. The increasing adoption of new technologies is transforming how we work. As well, aided the growth of alternative fuels, such as hydrogen to support environmental sustainability.

WHAT DOES A GAS NETWORKS TECHNICIAN DO

Gas networks technicians inspect, install, modify, service, maintain and respond to incidents concerning gas transmission pipelines, gas distribution networks or gas cylinders and associated facilities and equipment. Roles in gas engineering may include maintaining and routinely inspecting above and below ground gas network assets including district stations, metering equipment, gas network pipes and pipeline protection systems. It may also include, receiving, storing, processing, packaging, and distributing gas in storage vessels. This is an occupation that is physical in nature, and may involve lifting and moving of equipment, working at heights, and working in confined spaces.

“I love working as a gas networks technician because there is such a diverse range of tasks to perform, I enjoy solving problems and no two days are the same”.

For further information or advise contact www.uensw.au



GAS NETWORKS TECHNICIAN

Selection Criteria:

- *Well-developed communication and people skills
- *Effective English and maths skills
- *Ability to solve problems
- *Ability to work in a team or independently
- *Positive attitude, punctual, acceptable presentation
- *Understanding of, or interest in regulatory requirements.
- *Practical skills for installing, repairing, and maintaining equipment
- *Ability to be thorough and pay attention to detail
- *The ability to use your initiative as well as follow exact instructions
- *Physically fit and not afraid of heights, confined spaces, or working around machinery
- *Able to carry out basic tasks on a computer or hand-held device

SOME OF THE TASKS YOU MAY BE REQUIRED TO DO

- *use and interpret drawings, sketches, as-builts, specifications
- *use test equipment & instruments such as gas detectors & service locators, and where required, perform instrument calibrations
- *instal, modify, repair and service/maintain gas transmission pipelines or distribution gas networks and associated equipment
- *monitor and report facility and equipment condition and performance
- *inspect and maintain gas facilities such as pipelines and facility station equipment
- *perform isolations - energy lock out/tag out procedures (LOTO)
- *respond to emergency incidents, alarms and faults, equipment malfunctions, physical damage and/or fire, potential or actual pipeline/facility emergencies, vandalism and/or threats
- *participate in and comply with risk assessment, permit issuance and compliance regimes
- *comply with organisational safety policies and procedures
- *perform routine patrol, easement surveillance and inspection
- *respond to 3rd party works and encroachments, and where required, excavation supervision (third party works)
- *communicate and liaise with outside parties
- *perform, as required, hazardous area inspections and/or cathodic protection maintenance

Training Requirements and Pathways

Pre- apprenticeship/traineeship qualification: UEG20122 - Certificate II in Gas Supply Industry Operations is the qualification for new entries and school- based trainees to commence in. Traineeships generally take between twelve to twenty-four months to complete.

Apprenticeship qualification: The following qualification is the trade level qualification for those undertaking and apprenticeship. The duration of an apprenticeship is between three to four years.

UEG30122 - Certificate III in Gas Supply Industry Operations—This qualification provides competencies for entry-level gas supply industry activities in transmission, distribution pipeline and cylinder operations and functions. You may also need to obtain -

- construction induction card (white card)
- driver's license
- aptitude testing

UEG40222 - Certificate IV in Gas Supply Industry Operations -

This qualification provides competencies to supervise and conduct gas supply industry activities, including installation, diagnostics and maintenance of distribution and transmission gas pipelines, cylinders, and associated equipment.

Income/opportunities/outlook

The gas industry is currently expanding and the use of new technology to improve safety and production in this industry has increased the range of roles and specialisations available to consider.

Current wages:

Apprentice: \$56,000 per year

Salary range: \$80,000 - \$112,000 upwards depending on experience, location & employer

Current hourly rate 4\$26- \$50 per hour then add loading, overtime, on call and call out fees

Average earnings: \$1731 per week

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