

CONSULTANT & CONTRACTOR MINIMUM REQUIREMENT GUIDELINES

Mechanical Services Guidelines

CONSULTANT AND CONTRACTOR REQUIREMENTS

All contractors and consultants must demonstrate the following:

- evidence of participation in training programs, including safety training, to ensure knowledge and skills are kept up to date with industry changes and related standards
- experience working on projects with complex infrastructure in campus-style environments, including client-controlled systems and services

CONTRACTORS

Mechanical contractors must demonstrate the following:

- evidence that the company holds a Refrigerant Trading Authorisation as issued by the Australian Refrigeration Council
- evidence that air conditioning and refrigeration technicians hold relevant Refrigerant Handling Licences as issued by the Australian Refrigeration Council
- mechanical technicians, where required to work on electrical plant associated with mechanical services, hold the relevant electrical licence/qualifications
- experience installing and maintaining large-scale district heating and cooling system infrastructure
- experience with installing and maintaining laboratory mechanical infrastructure, up to prescribed containment level 3
- experience with building automation management systems and integration with associated systems/infrastructure
- very sound capability in commissioning and balancing of systems and infrastructure associated with mechanical services
- strong documentation capability using industry-recognised platforms such as AutoCAD / Revit etc.

While it is recognised that organisations may not have competencies in every facet listed above, they should have a broad understanding and capability of all areas, with specialist expertise in at least two of the areas mentioned above as a maintainer or installer, with more being desirable.

CONSULTANTS

Mechanical consultants must broadly demonstrate the following:

- experience in detailed engineering design practice as it relates to a campus based environment, with a strong understanding and demonstrated experience with large-scale district heating and cooling systems and associated mechanical infrastructure 000311 PDG Mechanical Services Guidelines Rev. No. 4 Page 9 of 106
- experience with engineering design and compliance requirements of complex laboratory mechanical systems and infrastructure, up to prescribed containment level 3
- experience with building automation management systems, their design and integration with associated systems/infrastructure
- demonstrated capability to work with multidisciplinary engineering design teams in a collaborative way to produce desired building mechanical services outcomes
- very strong capability in understanding and overseeing the management processes in the commissioning and balancing of mechanical systems and infrastructure associated with mechanical services

- strong documentation capability using industry-recognised platforms such as AutoCAD/Revit, BIM etc.
- relevant professional engineering qualifications and affiliations
- a minimum of 5 years' experience delivering services in a similar context