POSITION DESCRIPTION

BUILDING MANAGEMENT SYSTEMS (BMS) ENGINEER

POSITION LEVEL  
Level 9

FACULTY/DIVISION  
Operations

POSITION NUMBER  
ADMIN ONLY

ORIGINAL DOCUMENT CREATION  
01/08/2020

Position Summary

The Building Management Systems (BMS) Engineer position will provide advice, direction and operational support for both operational and the development of UNSW buildings and assets managed by Estate Management on building services, HVAC and BMS engineering matters. The relevance of Building Management Systems has increased in its application for UNSW and is considered a growth sector.

The role of BMS Engineer reports to the Building Automation (BA) Engineering Manager and has no direct reports.

Accountabilities

- Provide Sound advice and information is regarding BMS control systems and CBACS infrastructure design and management
- Comprehensive and practical solutions are developed to remedy performance shortfalls or to enhance the performance levels and reliability of BMS control systems and CBACS infrastructure
- Ensure outsourced maintenance and repairs are appropriate and in accordance with best practice and UNSW guidelines
- Oversee project work undertaken incorporates cost effective, energy efficient and low maintenance design in accordance with FM whole of life considerations
- Effectively manage and deliver capital equipment installation and refurbishment projects, and the commissioning and testing of BMS control systems and CBACS infrastructure
• Provide effectively and efficient delivery of the UNSW BMS control systems and CBACS infrastructure maintenance, testing and compliance program
• Identify and monitor selection impacts on BMS control systems and CBACS infrastructure design on capital projects from project inception to testing and completion
• Coordinate and manage consultants, contractors, mechanical supervisors, BMS technicians and trade staff
• Maintain and regularly update asset, infrastructure and management
• Oversee and ensure capital equipment installation and replacement projects comply with the University’s long-term strategic asset management objectives
• Effectively monitor and make certain compliance requirements and policy standards in all areas of activity are met
• Align with and actively demonstrate the UNSW Values in Action: Our Behaviours and the UNSW Code of Conduct.
• Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health and safety of yourself or others.

SKILLS AND EXPERIENCE
• Degree in Mechanical or Electrical Engineering or equivalent
• Extensive design experience as an engineer in the field of building services, HVAC systems, building automation and control systems.
• Extensive operational and management experience in engineering services and building automation and control systems in the Tertiary Education, Major Hospital, health or public infrastructure sectors
• Demonstrated experience in the project management of building automation and control systems contractors, contract administration, works programs, work assessments, quality assurance, commissioning and cost control
• Experience in energy management and energy analysis
• Experience in the management of Work Health and Safety issues relating to building services construction, operation and maintenance, with particular emphasis on protection of public health
• Working knowledge of IT communications systems, network architecture and systems integration
• Oral and written communication skills and experience in researching, analysing and preparing succinct management reports
• Capacity to establish, build and maintain strong professional relationships within a diverse environment
• An understanding of and commitment to UNSW’s aims, objectives and values in action, together with relevant policies and guidelines
• Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training