

Position Description – Asset Engineer - Process Controls Systems



Position Details	
Entity	Bluewaters Power Services Pty Ltd
Position title	Asset Engineer – Process Controls Systems
Office location	Collie
Reports to	Senior Engineer
Direct reports	Technical Officer – IC&E
Position Description Number	PDBWPS0058

Position Objective

The Asset Engineer – Process Controls Systems supports business operations by providing Asset Engineering Services on site at Bluewater’s Power Station. Working in a collaborative team of engineering, technical and management staff, the role is responsible for asset management and technical support across all Instrumentation and Process Control Systems on site.

Responsibilities

- Provide technical expertise on all aspects of site instrumentation and control systems, including troubleshoot and eliminating control systems issues
- Develop and implement control projects
- Support and advise Operational Teams to maintain plant reliability and efficiency
- Coordinate the vendor agreements for assigned service providers. Manage Engineering consultants and contractors as required
- Continuously develop, update and improve systems and procedures for the Asset Management System and implement effective solutions
- Lead assigned failure and root cause analysis investigations
- Ensure equipment life cycle costing and analysis is effectively carried out
- Develop planned and forced outage work scopes and coordinate assigned contract works during plant outages
- Develop and implement plant optimisation initiatives, including minor works projects, and coordinate contract works during project execution
- Monitor relevant budgets closely and implement actions (if required) to ensure budget forecasts are met
- Collate and provide daily/weekly/monthly statistics for implementation into monthly reports. Prepare and deliver proposals and reports
- Take a proactive approach by being involved, to effectively communicate, understand and address plant issues raised by site personnel
- Comply with, support and evolve the company systems to ensure continuous improvement in standards for procedures and service, while providing a work environment and systems of work that secure the health, safety and welfare at work of employees
- Comply with Bluewaters Risk Management, Quality Assurance and Health, Safety and Environment management systems, including statutory obligations

Leadership

- Coordinate and supervise direct report Technical Officer(s)
- Provide leadership support and technical advice on asset management training/guidance to site staff
- Actively contribute to the maintenance of a safe and healthy working environment. In particular, always behave in a manner that reflects commitment to safety and the environment
- Coordinate and participate in the training of new employees and team members who are upskilling or completing site competencies
- Guide and mentor Team Members to improve skills, competence and industry knowledge
- Lead by example by performing tasks correctly and adhering to Bluewaters technical standards
- Provide a positive and motivating influence by encouraging a can-do attitude

General

- Identify and recommend methods to continually improve processes and resolve problems
- Work effectively with the Management team to deliver business and performance objectives
- Identify and implement cost saving initiatives within sphere of influence
- Comply with Risk Management, Quality Assurance and Health, Safety and Environment (HSE) Management systems and processes
- Contribute to a positive HSE culture at the workplace whilst complying with all statutory obligations and company HSE requirements
- Maintain knowledge of and ensure adherence to company standards, policies, procedures and rules
- Ensure all relevant statutory and regulatory requirements are achieved within Engineering standards and specifications
- Communicating and escalating issues to management as they arise
- All other fair and reasonable directions at the request of management
- Travel and overnight stay may be required to other Bluewaters affiliated companies

Knowledge, Skills and Experience

- Technical knowledge of Power Plants or Heavy Process Industries and recent site experience.
- Process and instrumentation experience is highly regarded
- Programmed and tested DCS and PLC based process control system
- Strong familiarity with control system administration, networks and functional tests
- Significant experience with PLC and HMI programming
- Proficient with programming IEC61131 based languages (ladder, structured text and FBD)
- Experience with industrial automation communication protocol (Profinet, Profibus and modbus)
- Past experience and knowledge of Yokogawa is highly regarded
- Computer literacy in SAP and Microsoft suite of products
- Proactively and constructively identifies and solves problems and potential issues
- Experience in reading and interpreting documents, technical drawings and procedures
- Ability to work under pressure while prioritising work to meet agreed deadlines
- Ability to engage and lead others to a common goal, whilst working independently as a part of a team
- High level of interpersonal, oral and written communication skills
- Demonstrated commitment to health and safety

Qualifications

- Tertiary qualifications in a relevant electrical or process control engineering discipline
- At least 5 years of practical experience, preferably in thermal power stations or heavy process industry.

Behaviours

- High attention to detail and the ability to work logically, consistently and accurately
- Be flexible and adaptable in order to work under pressure and meet short and long term deadlines
- Act in a manner that is conducive to a professional environment including being cooperative and courteous in all dealings with all staff, clients and subcontractors
- Strong initiative and ability to manage multiple projects at one time and be able to deliver them on time
- Have an ability and willingness to support other areas of the business when required
- Ability to ensure protocols and deadlines are achieved
- Have a proactive and motivated approach to identify areas of improvement and problem solve
- Ability to work autonomously, with minimal supervision and work effectively in cross-functional team

Divulging Of Company Information

The business requires that you will not, (either during, or after your employment with the Company) without a written consent from the Board of Directors, divulge any information concerning the business including any of their dealings, transactions or affairs, which may come to your knowledge during or in the course of your employment with the Company.

Employee Acknowledgement

I have read, understand and accept this position description for the role Asset Engineer – Process Controls Systems with Bluewaters Power Services Pty Ltd, under the terms and conditions set out in this document.

Employee Name: _____

Employee Signature: _____

Date: _____

Witness Name: _____

Witness Signature: _____

Date: _____