



POSITION DESCRIPTION

Position Title: Engineer (Level 1)

Location: Sydney, NSW

Employment Status: Permanent - full time

Purpose of Position:

Professional engineering support for the provision of electrical and control engineering services to Provecta's clients.

Reporting Relationships

The position reports directly to the Engineering Manager. It is noted that, the engineer will take direction from other senior Provecta staff on a project by project basis.

The engineer is required to work to Provecta standard employment conditions, and other approved policies and procedures.

Company Background

Provecta Process Automation Pty Ltd is an Australian owned electrical engineering consultancy company specialising in the fields of industrial automation, technology and control systems, with an emphasis in critical infrastructure and related industries. Our highly qualified engineers, project managers, and support staff hold significant expertise in the provision of process control solutions, electrical engineering services, and systems integration management.

We strive to be recognised by our clients as the preferred supplier of specialised automation/control technology, electrical engineering and project management services. We achieve this recognition by providing client focussed engineering solutions committed to meeting every client's expectations for value, responsiveness and quality.

The engineer is required to assist Provecta in achieving our corporate aims and maintaining our reputation for the delivery of quality technical solutions to clients. We are committed to the professional development of our engineers, and offer engineers challenging roles in a technically specialised organisation working with a variety of control system vendors' equipment.

Position Scope

As a graduate engineer the incumbent will assist Provecta's experienced staff as required in the provision of advice and engineering services in the following technology areas:

- SCADA and PCS systems and applications
- Data Acquisition and Digital Systems maintenance and support
- LAN and WAN communications and network systems
- Human Machine Interfaces (graphical user interfaces)
- Field instrumentation (process monitoring transmitters/transducers)
- Field actuators/controllers
- Power supplies and electrical distribution systems
- IT security audits and advice for control systems and associated computer equipment

Major Activities and Duties

- Programmable Logic Controller (PLC) coding, testing and commissioning.
- Develop graphic interfaces for client control systems to provide effective and practical human machine interfaces.
- Design of PLC control systems for industrial plant processes.
- Estimate and prepare engineering services quotations for new and existing clients.
- Creation of documentation associated with projects undertaken (e.g. O&M Manuals, Inspection and Test Plans, and Training Courses)

Position Responsibilities

The engineer shall undertake professional engineering tasks of restricted scope and complexity, such as minor phases of broader assignments in office, plant, or field work.

Under supervision the engineer performs engineering work and exercises individual judgement and initiative in the application of engineering principles, techniques and methods. In assisting more senior professional engineers by carrying out tasks requiring accuracy and adherence to prescribed methods of engineering analysis, design or computation, the engineer draws upon advanced techniques and methods learned during and after the undergraduate course.

Training, development and experience using a variety of standard engineering methods and procedures enable the professional engineer to develop increasing professional judgement and apply it progressively to more difficult tasks.

Decisions are related to tasks performed, relying upon precedent or defined procedures for guidance. Recommendations are related to solution of problems in connection to the tasks performed.

Work is reviewed by higher-level professional engineers for validity, adequacy, methods and procedures. With professional development and experience, work receives less review, and the professional engineer progressively exercises more individual judgement until the level of competence at Level 2 is achieved.

It is anticipated that the engineer in carrying out their duties will:

- Plan work activities to achieve an outcome within an agreed time frame.
- Participate and work within a technical project team environment.
- Work with attention to detail and to accurately document work activities undertaken.
- Exhibit flexibility in relation to working patterns to achieve completion of tasks to client requirements.

The engineer will be required and expected on occasion to travel to industrial sites to perform their assigned tasks, and is required to exhibit flexibility in being available for this remote work. Initially this work will be under the supervision of senior engineers.

Performance Reviews

Performance will be reviewed annually.

During the annual performance review the engineer is encouraged to provide guidance as to the areas of specialist technical development that they are interested in pursuing.

An annual performance bonus may also be available, the payment of which is dependant upon Provecta achieving its business targets and the assessed contribution of the engineer to the achievement of these targets.