



Position Title: Senior Process Control Engineer (Level 3)

Location: Sydney

Employment Status: Permanent full time

Provecta Process Automation Pty Ltd is an Australian owned electrical and controls engineering consultancy company specialising in the fields of industrial automation, technology and control systems, with an emphasis in power generation and related industries.

Purpose of Position: Provision of project management and control system engineering services to Provecta's clients. To provide supervision and guidance to Provecta's other professional and technical staff.

Essential Requirements

- Degree qualifications in Electrical, Controls or Computer Systems Engineering.
- Minimum of five years post graduate professional experience of sufficient breadth which would allow the applicant to achieve the status of Chartered Professional Engineer (CPEng) through Engineers Australia.
- Demonstrated experience managing projects requiring the application of sound engineering techniques and the supervision of subordinate staff.
- Personal skills allowing effective contribution to, and ability to work within a team environment.
- Broad experience in contract administration (eg. AS2124).
- Holder of a full Australian driver licence.

Desirable Requirements

- Previous experience in the application of control systems associated with heavy industry (Power Generation, mining, food and beverage, etc).
- Previous experience using a function based control system programming tool such as those used in Programmable Logic Controllers (PLC's) or Distributed Control Systems (DCS)
- Experience in the application of ISO 9001 quality system procedures and processes.

Selection Criteria

- Extent of relevant engineering experience.
- Undergraduate academic results
- Demonstrated ability to plan work activities to achieve an outcome within an agreed time frame.
- Proven ability to work with attention to detail and to accurately document work activities undertaken.
- Effective oral and written communication skills in English.
- Demonstrated initiative and flexibility.

Applications to: [careers@provecta .com.au](mailto:careers@provecta.com.au)

POSITION DESCRIPTION

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Purpose of Position:

The provision of project management and process control system engineering services to Provecta's clients. To provide supervision and guidance to Provecta's other professional and technical staff.

Reporting Relationships

The position reports directly to Provecta's Engineering Manager.

It is noted that the engineer may from time to time work on projects where they will be required to take direction from other senior Provecta staff.

The engineer is required to work to Provecta's 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 power generation 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 manager of control systems engineering projects, the engineer must supervise and manage Provecta's professional staff as required to facilitate the provision of advice and engineering services to Provecta's clients. The engineer will be required to plan and conduct professional engineering work without supervision, providing original contributions and where required devise new approaches for the solution of engineering problems. Work is required to be carried out in the following technology areas:

- SCADA and PCS systems and applications
- Analog and digital control systems (modulating and sequence)
- Data Acquisition and Digital Systems maintenance and support
- LAN and WAN communications and network systems
- Human Machine Interfaces (graphical user interfaces)
- Critical process protection systems such as Burner Management Systems
- Power Generation Coordinated Control Systems
- 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
- Power Plant Simulators

Major Activities and Duties

- Investigate, design and manage the delivery of cost effective engineering solutions for Provecta's clients.
- Estimate and prepare engineering services quotations for new and existing clients.
- Liaise directly with clients to ensure client requirements are satisfied at all times.
- Review and audit project progress against targets to ensure project profitability and client requirements are met.
- Contribute to the development of the Provecta client base.
- Development and delivery of training courses and presentations associated with projects being undertaken.

Position Responsibilities

The engineer will be required to complete engineering assignments demanding notable professional experience. Whilst consultation with Senior Project Managers is available and customary, the engineer will perform their duties with significant independence and be required to make responsible decisions on matters assigned.

The engineer is expected to exercise individual judgement and initiative in the application of engineering principles, techniques and methods.

The engineer shall perform all projects conscious of the demanding requirements of ensuring project profitability and of fostering the Provecta business through the achievement of repeat client orders or the expansion of the Provecta client base.

Decisions are related to tasks performed, relying upon precedent or defined procedures for guidance. Where necessary, the engineer is expected to review, update and develop procedures necessary for the completion of engineering tasks related to the Provecta business.

Recommendations may be reviewed by higher-level professional engineers for validity and adequacy, but are usually regarded as technically accurate and feasible.

Projects managed by the engineer could range in value from \$10K - \$500K of engineering resources. It is also expected that the engineer will be responsible for multiple projects at any one time.

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

- Plan work activities to achieve an outcome within agreed budget, quality and time constraints.
- Participate and work within a technical project team environment
- Work with attention to detail and to accurately document work activities undertaken.
- Be flexible 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. The engineer is expected to exhibit flexibility in being available for this remote work.

Performance Reviews

Performance will be reviewed bi-annually.

During the bi-annual performance review the engineer is encouraged to provide advice as the areas of specialist technical and professional development that they are interested in pursuing.

Salary will be reviewed annually and will be assessed against following criteria:

- Performance in the preceding 12 months as determined by the formal performance reviews.
- Demonstrated and potential technical expertise and “value” to the business.
- Contribution to the consolidation or expansion of the Provecta market base (i.e. winning of new contracts and/or clients)
- Peer and market salary levels (internal and external)
- Consumer Price Index (CPI) movements

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.