



Delivering Intelligent Data

POSITION DESCRIPTION

Project Engineer

21 December 2011

POSITION DESCRIPTION

Project Engineer

Context

Quasar has, since 1993, established its position as a leading Australasian supplier of energy metering and power quality monitoring systems. We are privileged to provide system design & development, implementation and on-going support to most of New Zealand's (and some of Australia's) power generators, electricity distribution networks, and many blue-chip industrial and commercial businesses.

Quasar provides innovative solutions to projects in the following sectors:

Supply Markets - Energy & Power Quality Monitoring, MDM, SCADA, and Surveillance systems in the Power Generation, Transmission & Distribution fields.

Demand Markets - We are specialists in providing Energy Management and PQ Reporting systems for the Commercial Building, Healthcare, Education, Manufacturing, Governmental and Industrial sectors.

Quasar is the NZ Distributor for Schneider's ION and PowerLogic Metering Devices and Software, Survalent SCADA, PrimeStone MDM, and SWI Video Surveillance products.

Purpose

The role for the **Project Engineer** is to work as part of the Engineering team to complement the Company's existing activities in the revenue and power quality metering and SCADA fields.

Key Outputs

Engineering Functions

- Design Revenue/Power Quality Metering and/or SCADA systems to support customer applications.
- Develop supporting systems, documentation and drawings.
- Provide customer training.
- Perform system commissioning and assistance in trouble-shoot field problems.
- In co-ordination with Quasar's Engineering Manager, manage projects from initial development to the delivery and commissioning of the customer's systems.
- Implement custom application solutions with 3rd party solution providers where necessary.
- Assist with Customer support and our on-going System Support contracts.
- Rostered after-hours support if required.

Company Profile & Development

- Assist in the development of new business lines.
- It is envisaged that his role will expand as required for these future product and solution focuses for the company.
- When the company attends Exhibitions you may be required to assist on the stand.
- Develop and enhance our support products tools to better provide this service.

POSITION DESCRIPTION

Internal

- Provide internal staff training
- Assisting in the support of Quasar's internal IT infrastructure.
- Sales support where technical information is required i.e. Tender preparation and meetings.

General

- Other tasks as may reasonably be required from time to time.

Staff Supervised

Not directly responsible for supervision of staff.

Key Relationships

The **Project Engineer** is expected to establish effective working relationships with:

- Managing Director
- Engineering Manager
- Quasar Application, Project and Sales Engineers
- Other Directors and staff of Quasar
- Customers, Consultants, Service Providers and other relevant outside organisations
- Technical Support relationships with our suppliers

Accountability

The **Project Engineer** is responsible to the Engineering manager.

Person Specification

Experience

- Work experience in Electrical systems, Communications and Substation environments.
- Experience in project development and proven history of innovation and problem solving.

Technical Skills

- Degree in electrical engineering.
- Highly Proficient knowledge of business computer software such as MS Office, Visual Basic, SQL or other programming language.
- Project Management skills.
- Graphical Design/Report writing prowess.
- SCADA/PLC/Database programming skills.
- Working knowledge CAD for system level design.
- Knowledge of installation and maintenance of applications in a Windows Server environment.
- Corporate networking and protocols (TCP-IP, Routers, Firewalls etc...)
- Industrial networking & protocols (DNP3, Modbus, etc...)
- Telemetry systems (Radio, GSM, GPRS, CDMA etc...)
- Electrical systems commissioning.
- Development and teaching of training courses.
- Customer Support skills.

POSITION DESCRIPTION

Personal Attributes

- Proven ability to work positively in a team.
- Excellent inter-personal relationship and communication skills.
- Able to quickly grasp and learn new technologies.
- Proficient knowledge of business computer software such as MS office.
- Self-confident, highly motivated individual
- Adaptable in their thinking with attention to detail.
- Excellent organisational skills.
- Responsible, self-disciplined, reliable, energetic and productive.
- An excellent command of the English language and written English is essential

Resources and Requirements

- Operate from the Company's premises in Christchurch, with travel primarily within New Zealand, and occasionally internationally.
- While there is some general support available from our administration team, Engineering staff are expected to maintain their own correspondence, email and administration at a high standard.

NOTE: This position description is not intended to be all-inclusive. Employee may perform other related duties as negotiated to meet the on-going needs of the organization. Employment conditions are described fully in the Individual Employment Agreement.