



POSITION DESCRIPTION
BUILDING PERFORMANCE ENGINEER

CONTEXT

The Quasar team is all about providing businesses and utilities with intelligent data to enable them to reduce costs, maximise operations and meet business goals. Our four decades of experience as a system integrator ensures each client receives a high-quality solution which meets their individual needs.

Quasar is expanding its offering from Energy Management Systems (EMS) into Building Management Systems (BMS), delivering intelligent building performance, control and analytics solutions.

PURPOSE

The Building Performance Engineer is responsible for designing, configuring, commissioning and supporting Building Management System (BMS) and Energy Management System (EMS) solutions that help customers improve the performance, efficiency and resilience of their buildings.

Working as part of Quasar's Engineering Team, this role combines project engineering, building automation, integration and optimisation expertise to deliver high-quality solutions throughout the full project lifecycle. The role will work closely with customers, contractors, consultants and internal teams to deliver projects, provide technical support and identify opportunities to improve building performance.

This is a client-facing position requiring strong technical capability, problem-solving skills and the ability to communicate effectively with both technical and non-technical stakeholders.

KEY OUTPUTS

BUILDING PERFORMANCE ENGINEER

- Design, configure and support Schneider Electric EcoStruxure Building Operation (EBO) systems.
- Integrate BMS platforms with HVAC, electrical, metering and third-party systems.
- Support upgrades, migrations and system modernisations.
- Troubleshoot complex control and communication issues.
- Assist customers with system optimisation and operational improvements.
- Design and develop BMS and EMS solutions to meet customer requirements.
- Manage assigned projects through design, implementation, commissioning and handover.
- Develop engineering documentation, drawings and technical specifications.
- Configure, test and commission control systems and associated software.
- Perform site-based commissioning and troubleshooting activities.
- Ensure projects are delivered safely, on time and to a high standard.
- Analyse building operational data and identify opportunities for optimisation.
- Produce reports and recommendations that improve energy efficiency and operational performance.
- Support customers to achieve energy, carbon reduction and sustainability objectives.
- Deliver building performance reviews and customer presentations.
- Provide technical support to customers and service teams.
- Deliver customer training on implemented systems.
- Develop strong working relationships with customers, consultants and contractors.
- Provide clear and professional communication during project delivery and support activities.
- Contribute to the development of new products, services and business opportunities.
- Assist with improvements to engineering standards, documentation and delivery processes.

GENERAL

- Assist at industry events, conferences and exhibitions when required.
- Undertake other duties reasonably related to the position.
- Travel within New Zealand as required.

STAFF SUPERVISED

- None

ACCOUNTABILITY

The **Building Performance Engineer** reports to the Head of Delivery.

KEY RELATIONSHIPS

Quasar adopts a collaborative approach at all levels of the company, in this role the **Building Performance Engineer** will work closely with:

- Quasar Staff and Directors
- Customers, Consultants, Service Providers, and other relevant outside organisations
- Technical Support relationships with our suppliers

KEY ATTRIBUTES

QUALIFICATIONS

(One or more of the following may be sufficient)

- Degree in Project Management.
- Degree in Electrical Engineering.
- Degree in Mechanical Engineering.

EXPERIENCE

Essential

- 3+ years' experience working with Building Management Systems.
- Experience commissioning and supporting BMS solutions.
- Sound understanding of building services and HVAC systems.
- Experience with industrial or building communications protocols such as BACnet, Modbus and TCP/IP networking.
- Strong troubleshooting and problem-solving skills.
- Excellent written and verbal communication skills.
- Ability to work independently and as part of a team.

Highly Desirable

- Experience with Schneider Electric EcoStruxure Building Operation (EBO).
- Experience in building automation system design.
- Experience with energy management, metering or analytics platforms.
- Building services industry experience.

Not Essential

- Experience with Energy Management Systems (EMS).

VALUES AND ETHOS

- Understanding of and commitment to the values of the Company.
- Personal commitment to authenticity and conducting all aspects of business with integrity.

PERSONAL ATTRIBUTES

- Proven ability to work positively in a team.
- Adaptable in their thinking with attention to detail.
- High level of professional competency in all forms of communication.
- Intuitive learner with proven ability to transfer knowledge to new settings and challenges.
- A strong customer focus; the ability to provide a cheerful and positive interaction with clients.
- Good organisation skills and the ability and desire to see tasks through to completion.
- The ability to communicate at a technical level and relate to people from all levels of business, backgrounds, ages and cultures.
- Demonstrated initiative, stamina and motivation, a strong work ethic.
- Professional personal presentation/grooming.

RESOURCES AND REQUIREMENTS

- Operate from the Company's premises in Christchurch, with travel primarily within New Zealand.
- Staff are expected to maintain their own correspondence, email, and administration at a high standard.

BEHAVIORAL COMPETENCIES

PLANNING & ORGANISATION

- Ability to plan, prioritise daily work assignments and exercise good judgement in managing urgent requests.
- Realistically plan and organise a project, allocating time in a manner which achieve priorities and allows for contingencies.
- Can set goals for own department and implement the planning and process steps to achieve these.
- Forward looking perspective that allows for contingencies and evolving situations.
- Ability to assist in planning, formulation and implementation of strategy and projects for both own department and in the wider Company context.
- Effective time management skills.

ACHIEVEMENT ORIENTATION

- Motivated to achieve goals and objectives
- Displays a definitive sense of urgency to accomplish tasks
- Commitment to improving quality standards in own area of expertise.

COMMERCIAL ACUMEN

- Knowledge of and interest in developments in the business world which could impact the Company, and a demonstrated ability to apply those to the Company's context.
- Demonstrated ability to quickly pick up workable levels of knowledge in new systems.

COLLABORATIVE AND TEAM APPROACH

- Respects and can integrate the capabilities of people from a wide range of disciplines and personal styles to enable an effective functioning team.
- Good relational and interpersonal intelligence and willingness to allow that to shape the approach to team leadership.

- Active participant in team structures throughout the Company.
- Committed to a collaborative approach and able to adapt to a high level of synergy amongst different team members and teams in the Company.

ANALYTICAL ABILITY

- Can analyse abstract, subtle, and undefined problems and information.
- Able to grasp the near- and long-term implications of a situation.
- Can analyse information on a conceptual level, as well as displaying a detailed approach.

KEY SELECTION CRITERIA

1. Technical aptitude.
2. Planning and organisation skills
3. Communication skills
4. Experience in a relevant sector within the Energy Industry.
5. Fit with the ethos, values, and approach of Quasar.
6. Credibility

HEALTH AND SAFETY

1. All staff must always be conscious of potential safety problems.
2. Health and Safety Policy is in place within Quasar Systems Limited. Instructions regarding safety given by the Health and Safety representatives must always be followed.

NON-LIMITATION CLAUSE

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.

This Position Description has been read and agreed:

Employee Name _____

Signature _____

Managing Directors Signature _____

Date _____