

POSITION DESCRIPTION

TITLE:	POWER SYSTEMS ENGINEER
BUSINESS UNIT:	Technology
LOCATION:	Christchurch
REPORTS TO:	Manager Electrical Systems
BUSINESS GROUP:	National Engineering
DIRECT REPORTS:	NIL
INDIRECT REPORTS:	NIL

OVERVIEW

Our people manage New Zealand's 30 million square kms of airspace, providing air traffic control, surveillance, communication, flight inspection, mapping and airspace design services. We work with government, regulatory authorities, airlines, airports and the general aviation community to ensure pilots, passengers and goods reach their destination - safely. At Airways, our values underpin all that we do. We value Safety, Each Other, Excellence and Success.

Our organisation is made up of operational business groups that are supported by governance and corporate services functions. To learn more about our people and organisational structure, check out our [website](#).

BUSINESS UNIT PURPOSE

The Technology Group is responsible for the effective delivery, management and services of all technology disciplines within the air navigation services environment – engineering design, software design and development, technology architecture and infrastructure, asset management, installation and maintenance, technical training, workload planning, maintenance program development, project management, and logistics support.

PURPOSE OF THE POSITION

To ensure the provision of safe and effective power systems by providing engineering design expertise, supervision and support services in the design, installation, modification, project management and standards of power and control systems used by Airways New Zealand and our overseas clients.

GENERAL

Your general duties include those outlined in this position description and may be reviewed and updated from time to time in consultation with you. You will also be required to undertake any other duties that are within your ability to perform, if asked to do so.

KEY AREAS OF ACCOUNTABILITY	
POWER SYSTEMS ENGINEERING	<ul style="list-style-type: none"> • Responsible for engineering design relating to the siting, installation, modification, integration and life cycle management of power systems • Participate in design peer reviews • Provide technical advice and support when and where required on assigned technical systems • Prepare equipment specifications and maintenance procedures • Analyse performance, undertake technical investigations and recommend modifications • Assess the reliability of design solutions, to ensure that the requisite system availability is achievable • Ensure appropriate standards are set and maintained for assigned systems • Identify the need for third party products or services to provide systems solutions and evaluate fit • Advise management on matters relating to the safe technical operation of the Airways' systems
ASSET MANAGEMENT	<ul style="list-style-type: none"> • Review asset performance and implement asset plans for specific assets • Prepare asset management plans for power systems assets • Enhance asset monitoring and intervene to increase availability
RELATIONSHIP MANAGEMENT	<ul style="list-style-type: none"> • Build and maintain a good working relationship with internal stakeholders and external service suppliers • Build and maintain good relationships with customers
DEVELOP SOLUTIONS TO MEET CUSTOMER NEEDS	<ul style="list-style-type: none"> • Liaise with managers and internal customers taking briefs on proposals required, assessing Airways' ability to deliver and areas of risk • Obtain signoff on the specification with the manager or internal client • Provide a briefing for specialists within relevant technical areas in Airways, identifying the most effective solution to problems and areas of non-compliance • Liaise with internal and external customers to keep them informed, of the status of work and projects
PREPARES PROPOSALS & SUPPORTS SALES PROCESS	<ul style="list-style-type: none"> • Produce proposals in a professional manner, with well-documented solutions that will meet client's needs • Ensure proposals include key selling points as identified by Customer Management • Ensure appropriate signoffs and processes are completed before proposals are submitted • Liaise with relevant technical specialists to produce accurate costing of the project specification • Produce and/or conduct presentations of solutions to customers to support proposals • Travel on short notice to assist Customer Managers with presentations and clarifications of offers

GOVERNANCE	<ul style="list-style-type: none"> • Comply with the provisions of all legislation and governance requirements, including financial delegations • Identify and maintain familiarity with the technology and regulations relevant to power systems engineering • Recommend standards for specifications, and for safety and efficiency requirements relevant to these
SELF DEVELOPMENT	<ul style="list-style-type: none"> • Monitor own performance and seeks development opportunities to improve performance • Implements agreed development plans within agreed timeframes
HEALTH & SAFETY	<ul style="list-style-type: none"> • Responsible for proactively demonstrating Airways Safety value - it's at the heart of everything we do • Responsible for operating role in a safe manner and striving for continuous improvement in health & safety throughout the business • Responsible for ensuring Airways security is maintained at all times • Accountable for proactively raising health or safety issues in line with Airways safety management systems and participating in position related health & safety training

TRAVEL REQUIREMENT	<ul style="list-style-type: none"> • Travel may be required to other locations within NZ/internationally to perform the duties of the role
BUDGET	<ul style="list-style-type: none"> • Responsible for managing a budget of \$ NIL
FINANCIAL DELEGATION	<ul style="list-style-type: none"> • Delegated financial authority for Capital Expenditure of \$ NIL • Delegated financial authority for Operational Expenditure of \$ NIL
CONTRACTUAL DELEGATION	<ul style="list-style-type: none"> • Signing Authority to a limit of \$ NIL
LEGISLATIVE OWNER	<ul style="list-style-type: none"> • NIL

KEY RELATIONSHIPS/CUSTOMERS:	
INTERNAL	NATURE OF THE RELATIONSHIP
Electrical Systems Team	Work collaboratively with to deliver key projects
Technology Managers & Technicians	Key stakeholders and customers
Project Delivery Team	Key stakeholders

Manager Electrical Systems	Reports to
EXTERNAL	NATURE OF RELATIONSHIP
Airways International Ltd	Project proposals, implementation and support
Contractors, vendors, manufacturers	Work collaboratively with to deliver key projects

FORMAL QUALIFICATIONS / TRAINING / EXPERIENCE	REQUIRED	DESIRABLE
Hold a Diploma, NZ Certificate or university qualification in a technology field with five plus years' experience in power and / or electrical systems	✓	
Highly technology literate with a background in engineering & maintenance	✓	
Experience with AS/NZS 3000 and application to electrical design	✓	
Experienced with managing suppliers/vendors		✓
Proven success with designing and delivering solutions on time and to budget with quality outcomes	✓	
Proven success in delivering complex projects to time, cost and quality requirements		✓

KEY COMPETENCIES / SKILLS / KNOWLEDGE	REQUIRED	DESIRABLE
Good interpersonal skills and excellent verbal and written communication skills; the ability to interact professionally with a diverse group including senior managers, vendors, professionals, etc. and present credibly	✓	
Our Values - Demonstrates the Airways Values consistently and naturally, showing a personal commitment to value Safety, Each Other, Excellence and Success; consistently exhibits behaviours that inspire understanding of and commitment to these values.	✓	
Builds Capability - Identifies skills and knowledge required to achieve strategic objectives; takes a broad approach to considering where skills can be sourced from, internally and externally; selects people that will have the competencies and skills to lead and execute; creates and builds a complimentary team of successors.		✓

<p>Customer & Partnership Focused - Builds long-term, strategic and sustainable relationships with customers/partners; understands the customer's business and requirements; manages expectations and builds respect rather than seeking to be liked; measures performance against customer-based targets; delivers on promises to customers and personally commits to resolving customer issues; inspires a customer-centric approach across Airways.</p>	✓	
<p>Quality Focused - Thoroughly checks own work against standards, designs or specifications; tests in detail all functionality before releasing systems; uses knowledge of the whole system to test all potential impacts and to verify final outcome; designs or uses tests which check changes made.</p>	✓	
<p>Owns Decisions - Consults with people, accesses information and analyses facts; considers impacts on stakeholders triangle; has confidence in, and owns the decisions; is consistent in their decision making.</p>	✓	
<p>Makes Decisions - Prepared to make decisions, within limits of authority and does so in a timely manner; balances the needs of staff and operational needs; makes decisions which are consistent with the values; pre-emptively identifies staff issues and situations.</p>	✓	
<p>Problem Solving - Seeks out the data required; identifies discrepancies in data and is meticulous in generating hypotheses that incorporate all the symptoms; is tenacious when faced with difficult problems maintaining a systematic and logical approach; appreciates there are always a number of solutions to problems and thinks laterally to identify these.</p>	✓	
<p>Dealing with Pressure - Copes with complex problems calmly; maintains a good rapport with people in stressful situations; handles issues and problems as they arise; is calm even under difficult circumstances; takes time to think problems through.</p>	✓	
<p>Communication - Communicates openly and honestly, explaining reasons in a prompt and timely way that people understand and find relevant to their position; is clear and concise, seeking to be understood; anticipates needs of audience and adapts style and communication methods using face to face for difficult issues; listens and seeks to understand others points of view, understands body language; is relentless on what is important, demonstrating enthusiasm and conviction.</p>	✓	

WE VALUE

SAFETY



TAKING INDIVIDUAL ACCOUNTABILITY
BEHAVING WITH INTEGRITY
BEING SAFE

EACH OTHER



SHOWING RESPECT & RECOGNITION
BEING SUPPORTIVE
SHOWING TRUST & UNDERSTANDING

EXCELLENCE



HAVING THE RIGHT ATTITUDE
BEING KNOWLEDGEABLE
SHOWING PROFESSIONALISM

SUCCESS



BEING CUSTOMER FOCUSED
DISPLAYING INITIATIVE
BUILDS THE FUTURE

OUR PURPOSE

- ▶ SAFE
- ▶ SUCCESSFUL
- ▶ SUSTAINABLE

