



## Role Description

<b>Title</b>	Technical Manager - SBR	<b>Incumbent</b>	Vacant
<b>Manager's Title</b>	Senior Project Manager	<b>Date of Last Review</b>	September 2021
<b>Team</b>	Scott Base Redevelopment	<b>Location</b>	Christchurch
<b>Direct Reports</b>	Safety and Quality Advisor External research and development, testing and validation, and compliance personnel	<b>Work Environment</b>	Travel overseas may be required and trips to Antarctica will be required. Trips to Antarctica will require medical clearance.

### Organisational Context

Antarctica New Zealand is a Crown Entity established on 1 July 1996 under the New Zealand Antarctic Institute Act to develop, manage and execute New Zealand's activities in respect of Antarctica and the Southern Ocean.

Our overarching organisational goal is to continue to play an influential role in the kaitiakitanga (guardianship) of Antarctica and the Southern Ocean as a natural resource devoted to peace and science. We do this by facilitating high-quality scientific research in Antarctica and supporting initiatives to protect the environment. Other key activities include the operation of Scott Base; managing logistics to, from and within Antarctica; and raising public awareness of the global significance of the continent and surrounding Southern Ocean.

Antarctica New Zealand operates in a hazardous environment where leadership and the management of safety and risk are critical to successfully achieving the New Zealand Antarctic programme.

The Scott Base Redevelopment (SBR) project aims to replace Scott Base infrastructure and provide fit-for-purpose science and logistics facilities. In Budget 2021, Antarctica New Zealand was granted funding, contingent on final approval of the implementation business case and Comprehensive Environmental Evaluation, to finalise the design, construct and transport the new Scott Base. Now that funding is granted, the project team will quickly scale up in order to complete the project by 2028.

### Business Unit Purpose

To safely and successfully deliver the Scott Base Redevelopment Project on schedule and on budget.



## Role Purpose

To provide technical expertise and leadership to the Scott Base Redevelopment Project, leading challenging packages of work to successful conclusion.

## Work of Role

### **Health, Safety and Environment**

- Fulfil accountabilities as documented in the Health, Safety and Environmental Management Systems
- Maintain and contribute to the highest level of quality, integrity and performance aligned with Antarctica New Zealand values

### **Technical Resolution**

- Assist with resolving technical issues across the Scott Base Redevelopment Project team
- Manage client interactions, ensuring project outcomes are met
- Lead the research and development and materials testing processes
- Undertake technical analysis and verification of proposed products and applications

### **Compliance and Quality**

- Set up and facilitate peer review process to critically evaluate project
- Establish and manage compliance pathway
- Oversee the project's quality assurance processes

### **Process Management**

- Develop a design-to-operation strategy, to help ensure specified operational performance is achieved post-construction
- Champion the soft-landing process with design teams, construction main contractor, facilities management and other stakeholders
- Establish processes and tools, including operation and maintenance manual and commissioning process, to achieve 'soft landings' across all building and associated plant

### **Other Tasks**

- Provide leadership to develop direct report/s, other individuals and teams to enable them to perform the best of their abilities
- Develop reports and present findings to the Project Steering Group and Antarctica New Zealand Senior Leadership Team
- Ensure that relevant documents and records for business activities are created and maintained, and that all legislative requirements for record keeping are met
- Any other task assigned by the Senior Project Manager

## Key Challenges

- Influencing colleagues and stakeholders using well-founded and maintained relationships, rather than simple hierarchical line management
- Demonstrating sufficient technical competence across a range of disciplines
- Contributing to major construction project within an extreme weather environment, a constrained logistics supply chain, and a highly sensitive environmental region



### Key Functional Relationships

<b>Internal</b>	<ul style="list-style-type: none"> <li>• GM Antarctic Operations</li> <li>• Project Director</li> <li>• Construction Manager</li> <li>• Design Lead</li> </ul>
<b>External</b>	<ul style="list-style-type: none"> <li>• Main contractor, other contractors and suppliers</li> <li>• Key external stakeholders</li> <li>• Client consultant team</li> <li>• All-of-Government support agencies</li> </ul>

### Minimum Capability Necessary to Work to Role

<b>Capability Area</b>	<b>Description</b>
<b>Qualifications, Certificates and Memberships</b>	<ul style="list-style-type: none"> <li>• Degree Qualified in Engineering, Business Analyst or equivalent</li> </ul>
<b>Knowledge, Skills and Experience</b>	<ul style="list-style-type: none"> <li>• Minimum ten years' experience in technical management</li> <li>• Experience in delivering technical guidance on complex and important projects through formal project management methodology.</li> <li>• Previous R&amp;D experience within the building product / construction product industry</li> <li>• Demonstrated technical, commercial and delivery acumen</li> <li>• Significant experience working in Quality Control and building compliance</li> <li>• Proven ability to maintain productive relationships with a diverse range of stakeholders</li> <li>• Understanding of and commitment to tikanga and Treaty of Waitangi principles.</li> <li>• Sound leadership and relationship building capabilities, and excellent facilitation and presentation skills.</li> <li>• Highly effective written and verbal communicative skills</li> <li>• High level of computer literacy including Microsoft Word, Excel, Project</li> </ul>
<b>Judgement, Temperament and Influence</b>	<ul style="list-style-type: none"> <li>• Uses judgment and effective decision making to consider the relative costs and benefits of potential actions to choose the most appropriate one</li> <li>• Confronts issues and persists to resolve them</li> <li>• Ability to plan, resource and manage tasks to a successful conclusion</li> </ul>



	<ul style="list-style-type: none"><li>• Effective interpersonal and communication skills</li><li>• Develops strong relationships and earns respect from staff and stakeholders</li><li>• Strong ability to think critically, using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems</li><li>• Solutions focused and able to work collaboratively</li><li>• Professional manner and positive attitude</li></ul>
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### Antarctica New Zealand Values

To honour our obligation to Antarctica:

- We are passionate about what we do
- We care for each other and the environment
- We work together
- We act with integrity
- We aspire to the highest standards

### Role Authorisations

I confirm that this Role Description accurately describes the work of the Technical Manager – SBR:

\_\_\_\_\_  
Project Director

\_\_\_\_\_  
Date

I accept this Role Description accurately describes the work of the role for which I am accountable:

\_\_\_\_\_  
Technical Manager – SBR

\_\_\_\_\_  
Date

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