

Proud Defence partners
delivering capability
together

**make
everyday
better.**

Supporting Defence in Australia, New Zealand and the Pacific

www.beca.com

Transforming our world together

We have been making everyday better for our clients for nearly 100 years.

Today we are 3,500 professionals spread across 20 offices in Asia-Pacific offering a range of professional services to support the full capability lifecycle.

Our services include

- strategic and policy advice
- investment decision support
- business and asset performance improvement
- needs and requirements development
- acquisition support
- project and program management
- master planning
- architecture
- environmental services
- civil, structural, electrical and mechanical engineering
- systems, software and simulation engineering
- asset through-life support and more.

Our employee-owned model drives our continued performance. We combine our skills and insights with those of our clients, using the power of partnerships to think, design and develop creative solutions together.



Beca supports a range of complex Defence projects and programs across Australia and New Zealand. We are proud to be partnering with the Australian and New Zealand Governments to deliver impactful solutions that matter. Having served in the Royal Australian Navy, I understand how the Defence Force operates. Our team is committed to delivering the necessary knowledge and skills, with practical application, to meet the evolving demands of our Defence clients.



Craig Lee | Managing Director, Australia



Beca has a long history of working with the Defence sector, working collaboratively to deliver superior results in partnership for more than 50 years in New Zealand and Australia.

We were founded by Arthur Gray, a returning serviceman from the WWI battlefields in Europe, and transformed under the leadership of George Beca, a decorated RNZAF WWII Mosquito Pilot. Beca was nurtured by bold visionaries who paved the way for the diverse, talented team we have today. Under current Group CEO - Greg Lowe, a former RNZN officer and engineer, we are using that pioneering spirit to provide value, benefit and solutions to our clients.



What we can do for you

Insight

- Data capture
- Data analytics
- Simulation and modelling
- Supply chain analysis
- Market research

Investment decision support

- Business case development
- Due diligence
- Capital programme optimisation
- Master-planning
- Concept engineering
- Enterprise risk management

Transformation services

- Project readiness reviews
- Organisation design
- Process improvement
- Organisational change
- Engineering design
- Programme delivery

Technology services

- Requirements management
- Acquisition support
- Systems integration
- Systems development
- Security and resilience

Organisational support

- Maintenance management
- Maintenance services
- Operations management
- Systems support
- Operations improvement
- Information management

Our commitment to quality

The Beca Group of companies has a continuous record of certification to International Standard for quality management ISO 9001 since 1994 (NZ) and 1995 (Aust). Certification is confirmed through regular audits by JAS-ANZ accredited auditors.





How we work

Relationships

We value long-term relationships with you to support better delivery of capability together.

In 2016 we became the first professional services business to sign a strategic relationship agreement with the NZ Defence Force. We help look after assets, infrastructure, process and systems, so they can focus on their priority – protecting the sovereignty, security and safety of citizens.

Integration

We integrate our industry know-how with yours to provide seamless support and superior results.

We collaborate with you for improved project outcomes and effective knowledge transfer to deliver better long-term, sustainable solutions. Whether it's additional support to existing teams or delivery through a full team, we can make it happen. Collaboration is how we work.

Transformation

We are project transformation specialists with the fortitude to turn your ideas into reality.

We provide innovative, independent advice to help you achieve your project goals. Our team of industry-experienced people - many formerly from Defence - intimately understand the complexity and challenges of the industry, supporting us to deliver on time, to specification and on budget.



© Commonwealth of Australia 2018

Delivering results in partnership with the Australian Defence Force

Our team of specialists understand Defence complexity and challenges facing the industry. We can aggregate technical advisory, engineering, business process engineering and project management services to produce easily implementable outcomes. Our blend of expertise supports us to deliver on time, to specification and on budget.

Our solutions don't just sit on the shelf – they are ready to implement as we partner with our clients for sustainable, pragmatic and tangible outcomes for the money invested. We have a dedicated Defence team currently servicing the RAN, CASG and E&IG. We are backed by one of the largest engineering and professional services firms in the Asia-Pacific region.

Most recently we have assisted Defence to successfully deliver projects including:

- sustainment and seaworthiness condition assessment, assurance, organisational and process development work within Fleet Command
- capability development & acquisition support for Defence's new surface fleet
- land and joint electronic warfare projects
- national airfields and critical maritime infrastructure maintenance, upgrades and assurance and
- asset assurance and policy frameworks for E&IG.



© Commonwealth of Australia 2018

Over 50 year relationship with the New Zealand Defence Force

The first professional services business to sign a strategic relationship agreement with the New Zealand Defence Force. Our work with Defence has included the design and development of infrastructure such as camps, bases, airfields, wharves and fuel installations.

We also provide systems engineering consultancy services to help develop, support and sustain Defence capabilities and assets. Examples of our work include the installation of Navy simulators at Devonport Naval Base and the management of capability upgrades to communications, sensors and weapons systems on HMNZ Ships, RNZAF aircraft and New Zealand Army vehicles. With an embedded workforce at RNZAF bases, we provide through-life systems and software engineering support to RNZAF avionics software and flight simulators.

We provide strategic advisory support in the development of long-term transformation programmes such as the Defence Estate Regeneration and Logistics Change Programs. We collaborate with a range of industry partners to tailor the best outcomes for our Defence clients, ranging from strategic advisory services through to the delivery of embedded software engineering services.

As a foundation member and active participant in the New Zealand Defence Industry Association we are strong advocates of industry developing collaborative solutions to meet the needs of Defence.

It's fair to say when it comes to Defence, we're a trusted partner.

Proven to deliver results

**Working in partnership
to deliver successful
projects across the Asia-
Pacific for over 50 years.**



Shore Force Infrastructure Seaworthiness Support

Client

Royal Australian Navy

Key services

- Project management
- Infrastructure engineering assessments
- Capability needs statements
- Asset management

Tell me more

Beca has provided asset management support to Shore Force since 2015 and has undertaken detailed condition and asset management assessments of all RAN wharf infrastructure elements across Australia.

Beca has developed an asset management hierarchy to further develop and implement the Shore Force Infrastructure Management Tool whilst cataloguing to the asset, component and sub component level against Navy's Critical Infrastructure using our framework.

Seaworthiness Materiel Assessments (SwMAs)

Client

Royal Australian Navy

Key services

- Project management
- Continuous improvement process development and implementation
- Technical document development and management
- Training and workshop facilitation

Tell me more

Completion of Seaworthiness Materiel Assessments (SwMAs) are a critical measurement of the materiel seaworthiness of fleet units. Beca has provided development and management services support for SwMAs for over five years to the RAN.

The Beca team has developed and now manages the full suite of SwMA documents across the RAN through a continuous improvement process, and has established a delivery of assurance management services across SwMA functions.

SEA1354 Phase 1 Submarine Escape Rescue and Abandonment System (SERAS)

Client

Capability Acquisition
and Sustainment Group

Key services

- Project management
- Integrated logistic support management

Tell me more

Since 2018, Beca has provided project and integrated logistic support management services to the Project Director of SEA 1354 Phase 1 to assist in tender documentation evaluation through to contract negotiations and signature.

Sea Release Assurance Framework (SRAF)

Client

Royal Australian Navy

Key services

- Development of SRAF policy for director fleet seaworthiness (DFS_w)
- Development of management plans, processes and procedures
- Sea release assurance programs for various Navy defence elements
- Sea release level objective quality evidence reports

Tell me more

Since 2014, Beca has been involved in delivering SRAF management services to Navy's Fleet Command.

Beca's engineers have since provided improved and periodic iterations of SRAF policies for review and approval by DFS_w, as well as developed multiple management plans, processes and procedures.

EMOS 3rd Party Assurance Audits

Client

Estate & Infrastructure Group

Key services

- Development and implementation of an asset assurance framework
- Audits across all 75 Defence establishments
- Review of compliance

Tell me more

Beca have been engaged by the Directorate Estate Planning and Upkeep to deliver the 3rd Party Audits of the Estate Maintenance and Operations Services activities to provide an Estate Upkeep Assurance Program that will verify compliance against the following EMOS services:

- Estate appraisal
- Performance based and scheduled maintenance
- Electrical operating authority

The requirement emanates from Defence's responsibility and legislative obligation to maintain the various buildings, infrastructure and equipment in a safe and serviceable condition. This is a three-year program assessing 75 establishments around Australia.

Fleet Command Management System

Client

Royal Australian Navy

Key services

- Project management
- Continuous improvement process development and implementation
- Technical document development and management
- Training and workshop facilitation

Tell me more

In collaboration with Coras Solutions and Abbott Risk Consulting (ARC), Beca has developed and implemented the Fleet Command Management System.

This management system ensures a systematic approach to the governance and management of a seaworthy 'Fleet In Being', through the formalised assignment of accountabilities and responsibilities of the Fleet Headquarters entities contributing to the delivery of maritime capability. The system enables the measurement of performance, treatment of risk, and provides a basis of assurance to the Fleet Commander that maritime forces are seaworthy.

Navy Minors Program

Client

Royal Australian Navy

Key services

- Project management
- Combat systems
- Process integration

Tell me more

Since 2018, the Beca team has provided project management services to the Navy Minors Program to assist with the progression of the development of requirements associated with key capabilities sought by the Royal Australian Navy.

P1004 - National Airfield Pavements Maintenance Program (NAPMP)

Client

Department of Defence, Estate & Infrastructure Group, Capital Facilities and Infrastructure Construction

Key services

- Project management and contract administration (PMCA)
- Airfield pavement maintenance and design
- Construction monitoring

Tell me more

Beca is in a joint venture with Aurecon as PMCA for the NAPMP project, a three-year contract for PMCA and Design Services to inspect, design, specify and provide construction monitoring of the works to airfield pavements at 28 military airfields across Australia. Our team has been involved since P1001, the precursor project to P1004, which started back in 2010. Our services are contracted through to 2020.

P0008 – 10 National Airfields Maintenance Works

Client

Estate & Infrastructure Group

Key services

- Project management and contract administration (PMCA)
- Master planning and feasibility studies
- Detailed business case development
- Design peer review

Tell me more

Beca is providing project management and contract administration services for the P0008, P0009 and P0010 National Airfield Maintenance Works for Estate & Infrastructure Group. These projects involve major maintenance works to a number of Defence bases including:

- RAAF Base Williamtown
- RAAF Base Darwin
- RAAF Base Pearce
- HMAS Albatross
- Robertson Barracks
- Mount Bunday Training Area

Beca has provided aircraft pavement maintenance advice and design services to the Australian Defence Force since 2009.

Maritime Critical Infrastructure

Client

Royal Australian Navy

Key services

- Project management
- Marine engineering
- Engineering assessments
- Upgrade scoping studies
- Asset management

Tell me more

Beca has provided project management and technical marine engineering support to the Royal Australian Navy (RAN).

The project involves developing an assurance system for the RAN's critical maritime infrastructure across 13 Navy bases. Beca applied the principles of seaworthiness to maritime infrastructure to achieve assurance of Navy's capability and operational objectives, which the RAN had never done before.

We developed a fit-for-purpose software tool and implemented a dedicated management framework to achieve outcomes for Defence on this national programme.

SEA5000 Phase 1 Hunter Class Frigate Program

Client

Capability Acquisition & Sustainment Group

Key services

- Project management
- Procurement and contracting support services
- Engineering support services

Tell me more

Since 2015 Beca has partnered with the SEA5000 Project Office to provide engineering and project support, including specialist procurement and contracting services to support the acquisition of Hunter Class Frigates for the Royal Australian Navy.

Beca's involvement commenced from the early stages of the competitive evaluation process - including development of the tendering documentation, tender evaluation, contract negotiation and contract development - up to the establishment of the successful contract. Beca continues to remain a strategic partner of the SEA 5000 Project Office by providing ongoing services as the project proceeds into the acquisition phase.



Certified Items Management Project

Client

Royal New Zealand Navy

Key services

- Project management
- Business analysis
- Change management
- Process development and implementation
- Policy development and implementation
- Technical audits
- Training and workshop facilitation

Tell me more

The generation and sustainment of seaworthy maritime capabilities is fundamental to the defence of New Zealand's interests at sea. Therefore, maritime capabilities are designed, constructed, maintained and operated in compliance with the Maritime Regulatory Baseline. This helps to ensure that all practicable efforts have been implemented to minimise any risks to safety of personnel and environmental damage while undertaking a voyage or maritime operations.

Safety Case Management System and Safety Case Delivery

Client

New Zealand Defence Force

Key services

- Project management
- Continuous improvement process development and implementation
- Technical document development and management
- Process and policy development
- Engineering assurance and review of maritime systems
- Technical review and audit

Tell me more

Beca developed an administration and management system for the through-life management of safety cases for RNZN platforms and systems in line with NZDF capability management framework. This consisted of functional mapping, process gap analysis and development and policy development, resulting in a defined process applicable to all stakeholders in the introduction and through-life support of ships and systems employed in the maritime domain by NZDF.

Diving Remediation Programme

Client

New Zealand Defence Force

Key services

- Project management
- Process development and implementation
- Policy development and implementation
- Engineering assurance and technical review and audit of diving systems
- Technical document development and management
- Stakeholder engagement

Tell me more

The need to deliver assurance of management and maintenance of NZDF diving equipment saw Beca engaged to investigate and remediate diving maintenance standards, material management procedures and condition assessments of all NZDF diving systems.





www.beca.com



© Commonwealth of Australia 2018

**make
everyday
better.**

 [linkedin.com/company/beca](https://www.linkedin.com/company/beca)

 twitter.com/becagroup

 [facebook.com/BecaGroup](https://www.facebook.com/BecaGroup)

Australia Brisbane | Sydney | Canberra | Melbourne **New Zealand** Auckland | Hamilton | Tauranga | New Plymouth | Palmerston North |
Wellington | Nelson | Christchurch | Queenstown | Dunedin **Asia** Myanmar | Thailand | Singapore | Indonesia **Pacific Islands** Fiji | New Caledonia