



BASTION DEFENCE

CAPABILITY STATEMENT

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TABLE OF CONTENTS

- 1. Overview ----- 3
- 2. Who Is Bastion? ----- 3
- 3. We Know Defence ----- 3
- 4. Bastion Engagement ----- 3
- 5. Bastion Capability ----- 4
- 6. Commercial Engagement Model ----- 4
- 7. Chief Engineer ----- 5
- 8. Engineering Management System ----- 5
- 9. Domains ----- 5
- 10. Future Engagements ----- 8
- Table 1: Examples of Bastion’s Current and Previous Engagements ----- 7





BASTION CAPABILITY STATEMENT

1 OVERVIEW

1.1. Bastion Defence Consulting “Bastion” has been providing sovereign capability to Defence and Defence industry partner since our establishment in 2018. As the Technical Support Network (TSN) of various prime contractors to Defence, Bastion takes pride in supporting the supply chain and enhancing Australia’s organic capability to deliver strategic outcomes.

1.2. This capability statement provides the background for Bastion to be considered for future engagements. We would very much appreciate the opportunity to work alongside you in support of capability delivery for the Defence Force.

2 WHO IS BASTION?

2.1. Bastion is all about Naval maritime capability. We employ approximately 70 personnel across Australia entirely focused on the delivery of Naval Capability.

2.2. Our current portfolio includes the complete spectrum of services required for Defence Programs ranging from project management, engineering design to asset management, delivery of complex ILS programs as well as commercial work such as export control and contract management.

2.3. Our national presence and Defence pedigree across multiple Naval Programs enables us to provide instant support to our Commonwealth partners at all levels of the business.

3 WE KNOW DEFENCE

3.1. Every Bastion employee has experience with Defence maritime programs and holds a minimum baseline clearance with the majority at NV1.

3.2. Our personnel collectively have over 450 years' experience with surface ships and submarines. When you engage Bastion there is minimal to no ramping up period. We always provide the right person for the job. We are also DISP accredited providing assurance that we are Defence certified.

4 BASTION ENGAGEMENT

4.1. As a company we offer flexible and friendly engagements and are prepared to take on risk on behalf of our clients through deliverable and performance-based contracts. We are a values-based enterprise and work together with our clients to achieve shared outcomes and where necessary be the silent partner in the relationship.

4.2. Bastion is able to offer embedded resources to your team or work with your company to take on packages of work as well as the associated risk.

4.3. We are known for our no nonsense approach and delivery focus. It is our ability to deliver that drives our willingness to take on risk for our clients and we have a strong track record of keeping our promises.





BASTION CAPABILITY STATEMENT

5 BASTION CAPABILITY

5.1. Bastion is a national company providing a broad spectrum of maritime Defence services and products. Our main office and Design House located in Mawson Lakes, South Australia. Bastion's technical work is undertaken within our ISO 9001 accredited Quality Management System (QMS). This includes our technical delegation framework which is designed to also be compliant with the Defence Seaworthiness Management System.

5.2. Bastion currently has a number of highly qualified and experienced engineering and ILS resources available immediately with access to the DPN as well as CMT-U, AMPS, MILIS and other relevant engineering change systems. Our designers are familiar with the majority of the RAN fleet including a Nuclear Submarine capability. Bastion offers the following skillsets/capabilities:

- Program and Project Management
- Asset Management
- Mechanical Engineering
- Electrical Engineering
- Combat and C3 Engineering
- Systems Engineering
- ILS Engineering
- Safety Engineering
- Nuclear Propulsion Engineering
- Naval Architecture
- Structural Engineering
- Cybersecurity
- Waterfront Maintenance Support
- Commercial Services
- Export Controls

5.3. We are able to scale our service offering to meet your needs ranging from embedded personnel to delivery of design changes inclusive of all ILS artefacts compliant to Defence requirements.

We are very familiar with ASDEFCON requirements for design and the associated contractual requirements and guarantee compliance.

6 COMMERCIAL ENGAGEMENT MODEL

6.1. Bastion is aware our client's value flexibility and understands the importance of accommodating diverse engagement models and contractual requirements. Bastion is well known in the industry for our ability to collaborate to accommodate any commercial constraints our clients may experience from program to program. This includes performance payments, deliverable based contracts, export control and IP management provisions to name a few.

6.2. Bastion has previous engagements under Minor Service Agreements (MSA) and so we are familiar with the Defence contracting model and requirements. Bastion will comply with all relevant frameworks, standards, and legal requirements applicable to any engagement and will work to promote cooperation, transparency, and the successful achievement of our shared objectives.

6.3. The contract is only the starting point for Bastion in our engagements. We will always go the extra yard if and when the goal posts shift during contract execution building trust and a collaborative one team environment. We are committed to minimising variations and have a strong track record for achieving this goal that is a key part of our delivery model and values.



BASTION DOMAINS AND ENGINEERING MANAGEMENT

At Bastion we are fortunate to count a number of specialist maritime defence SMEs in our ranks. To ensure we foster our internal capability and leverage the experience of our members, we have setup eleven domains specifically aligned to the requirements of our defence clients and the skills and experience our SMEs bring to the table. Each domain is led by an expert that manages and develops these capabilities within Bastion reporting to our Chief Engineer. We are in the process of setting up our Nuclear Domain and already have four personnel with technical Nuclear Facilities, Propulsion and Safety experience.

7 Bastion Chief Engineer










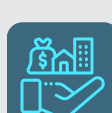

The Chief Engineer is responsible for and accountable for the management of technical risk and delegations across Bastion's eleven domains. Gary is the highest level technical engineering authority for Bastion and issues/reviews delegations provided to our Domain Managers. Gary is a Chartered Mechanical Engineer fellow with 36 years' experience in the defence maritime sector, specifically in the areas of surface ship and submarine design, construction and maintenance. Gary began his career in the drafting office working for BAE in the UK before emigrating to Australia to take up various senior technical positions with ASC, Naval Group and ultimately as the Chief Engineer for Bastion Defence. Gary is the key architect of our world class Engineering Management System developed based on years of experience across a number of defence primes and programs.



8 Bastion Engineering Management System

- ✓ ISO 9001 Certified
- ✓ Defence Seaworthiness System Compliant
- ✓ CASG QMS Compliant
- ✓ NSSG QMS Compliant
- ✓ Built from Years of Experience in Defence
- ✓ Provides Technical Career Path

9 Bastion Domains

-  **Naval Architecture and Structural**
Stability, ship keeping, design, system integration and structural assessments.
-  **Combat and C3**
Combat and C3 systems, predominantly software and electrical aspects with guidance from mechanical domain.
-  **Mechanical**
Mechanical Ship and submarine systems.
-  **Program and Project Management**
Major Capital Acquisition projects, reform programs as well as Navy minor projects and local waterfront projects.
-  **Electrical**
Ship and submarine systems - electrical aspects only.
-  **Commercial, Contracting and Export Controls**
Contract management, budgeting and forecasting, insurance advice as well as export control frameworks.
-  **Systems Engineering**
Ranging from feasibility studies, CONOPS and requirements solicitation through to architecture design, MBSE and T&E.
-  **Design, Drafting and Configuration Mgt**
Lead the design effort with input from the systems engineering domain and other domains as relevant and required. Includes drafting and configuration mgt.
-  **Safety Engineering**
Design for safety, development and management of safety cases and risk assessments.
-  **Asset Management, ILS and Frontline Support**
Cost, risk performance analysis for assets and associated process development and optimisation. Development and optimisation of maintenance baselines from first principles as well as backfit RCM. Provision of front-line support in the development and execution of maintenance packages.
-  **Software, Cybersecurity and ICT**
Governance, risk and compliance as well as software compliance assessments, development and testing.



**PLAN,
ENGAGE,
DELIVER.**



DEMONSTRATED EXPERIENCE

We are privileged and grateful to have worked alongside a number of high performing clients. The table below provides details for a number of these engagements.

TABLE 1 - Examples of Bastion's Current and Previous Clients

Client	Task	FTE	Delivery
ASC	Safety Engineering	3	<ul style="list-style-type: none"> Provide technical leadership of the development of the Submarine Safety case.
BAE Australia	Engineering Change Design	1	<ul style="list-style-type: none"> Completed first delivery for design task for combi filters Completed scoping study for replacement oily water separators
Submarine Systems Engineering Directorate	Systems Engineering Platform Electrical Mechanical Systems Engineering	10	Provision of engineering support to the following programs: <ul style="list-style-type: none"> Nuclear powered submarine task force LOTE Collins sustainment & combat system Navy capability PSI (ASC) and CSI (Raytheon)
Raytheon	Preliminary Design	1	<ul style="list-style-type: none"> Completed design task for tender submission
Raytheon	Engineering Change Management	2	<ul style="list-style-type: none"> Development and integration of DDG Combat System design packages.
Thales	Safety Case Development	3	<ul style="list-style-type: none"> Developed safety case for a number of accidents forming part of the DDG safety case.
DG-ENG	Shock and Vibration Analysis	1	<ul style="list-style-type: none"> Provided expert domain advice on shock and vibration considerations across the surface and subsea fleet.
Navy Engineering Branch	Navy Wide Engineering SME Strategic Guidance	1	<ul style="list-style-type: none"> Provided expert domain advice on platform systems across the surface and subsea fleet including nuclear considerations.
Gibbs and Cox	Stability Analysis	1	<ul style="list-style-type: none"> Provided expert advice on stability margin management across the surface fleet.
BMT Global	Naval Rules Development	3	<ul style="list-style-type: none"> Provided Expert advice on development of naval rules.
AORCASPO	Maintenance and Technical Writing	2	<ul style="list-style-type: none"> Technical writing and review of over fifty artefacts.
AORCASPO	Transition into Service	1	<ul style="list-style-type: none"> Led Phase-in Actives Conducted organisational readiness audit and implemented over one hundred recommendations. SME for CoA on budgetary price negotiation with Navantia
MCDSP0	Asset Management	1	<ul style="list-style-type: none"> Performance monitoring and optimisation of systems fitted to the mine hunter vessels.
DDGSP0	Engineering Management	3	<ul style="list-style-type: none"> Manage all aspects of engineering for the DDGs. Manage Engineering Change Proposals (ECPs) to incorporation.
MCPSP0	Engineering Management	3	<ul style="list-style-type: none"> Delivery of a number of major engineering changes Establishment of the systems engineering program at MCPSP0.
ASC	Life of Type Extension	6	<ul style="list-style-type: none"> Supporting delivery of the function and performance baseline for the LOTE.
ASC	Frontline Engineering Support	2	<ul style="list-style-type: none"> Provide electrical support to the delivery of operational CCSMs based in WA.
HSP0	Maintenance Remediation	5	<ul style="list-style-type: none"> Remediate the maintenance baseline for three classes of ships. Assessed over 2000 SAIs and developed over 1000 SAIs for final incorporation to CMT-U. Optimised the maintenance baseline to yield significant cost savings and reduction of OLM/ELM Hours required per year.
Raytheon	Asset Management	5	<ul style="list-style-type: none"> Provision of CLCM Asset Management Services
MIWS	Systems Engineering	2	<ul style="list-style-type: none"> Asset Management Systems Engineering Combat Engineering
Raytheon	ILS Engineering	1	<ul style="list-style-type: none"> CCSM CSI ILS package development
PBSP0	Frontline Maintenance	1	<ul style="list-style-type: none"> Deliver Cape Class Maintenance periods.
MMEW	OCTAVES	5	<ul style="list-style-type: none"> Combat system design and integration.
ASC	Configuration Management	1	<ul style="list-style-type: none"> Configuration support for the CCSMs



BASTION CAPABILITY STATEMENT

10 FUTURE ENGAGEMENTS

10.1. Thank you for taking the time to review our capability statement. Although we are a relatively small company we do have a number of highly capable consultants as well as back-office design and ILS development capability ready to be deployed at short notice. It is our ability to react immediately and provide personnel that are Defence cleared with specific experience in the maritime domain that we believe sets us apart.

10.2. There is also a number of synergies that will enable us to seamlessly integrate to the your team and delivery chain. We are also a bold company, embarking on a number of R&D programs investing heavily in our design house looking to the future of technology and Defence design requirements.

10.3. Bastion's consideration for inclusion for your future work will provide a highly capable quick response option for the many projects on the horizon and we would very much appreciate being considered and recognise the trust this would place in Bastion.

10.4 We place a high importance on security and cybersecurity and have invested significant resources to ensure a high level of governance, risk and compliance commensurate with Defence principles. This effort resulted in our Defence Industry Security Program (DISP) accreditation.

10.5. Our Engineering Management System (EMS) is ISO 9001 accredited and includes an internal engineering governance framework aligned to the requirements of the Defence Seaworthiness Management System.

10.6 Please reach out for any further information and our local team member will be in touch. The Team at Bastion.

