

City of Ipswich **Defence Ipswich Action Plan**

2018–2023



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FOREWORD

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This plan coordinates and empowers Ipswich as a national leader in defence industry activity and opportunity.

For generations, Ipswich has been a significant driver of Queensland’s economic prosperity.

Today, traditional industries are in advanced transition as digital technology, dynamic markets and sustainable practices drive innovation and improvement. Ipswich businesses are leading this progress across many sectors including defence, advanced manufacturing, food production, transport and logistics, education and training, construction, and health.

At the same time, Ipswich is attracting unprecedented population growth accelerated by some of the largest master planned residential developments in the Southern Hemisphere.

Rarely has an Australian city with such strong heritage and history experienced a social and economic evolution as rapid or profound as this. It is redefining the way the region operates, how the community is connected and how the city is positioned nationally.

A major contributor to that transition is RAAF Base Amberley, Australia’s largest military air base. The City of Ipswich has a long and productive relationship with the Australian Defence Force, it represents a significant part of our history, our identity, our community and our future.

Nearly 10 per cent of all employment in Ipswich is in the defence industry and associated supply chain and the defence industry generates over \$1.41 billion (2017/18) in export value for the local economy.

The City of Ipswich aims to be the preferred regional location for Defence and the defence industry in Australia leveraging from its exceptional reputation for defence capability, innovation and success.

The *Defence Ipswich Action Plan 2018–2023* recognises the importance of Defence to the region’s community and economic prosperity. Ipswich City Council has developed this plan in cooperation with the Queensland Government, Defence and industry to ensure its relevance and success.

This plan coordinates and empowers Ipswich as a national leader in defence industry activity and opportunity. It includes a set of actions from which progress can be measured and reported.

The City of Ipswich is proud to present the *Defence Ipswich Action Plan 2018–2023* on behalf of industry and stakeholders with a commitment to its active and successful implementation.

Fastest
growing city
in Queensland

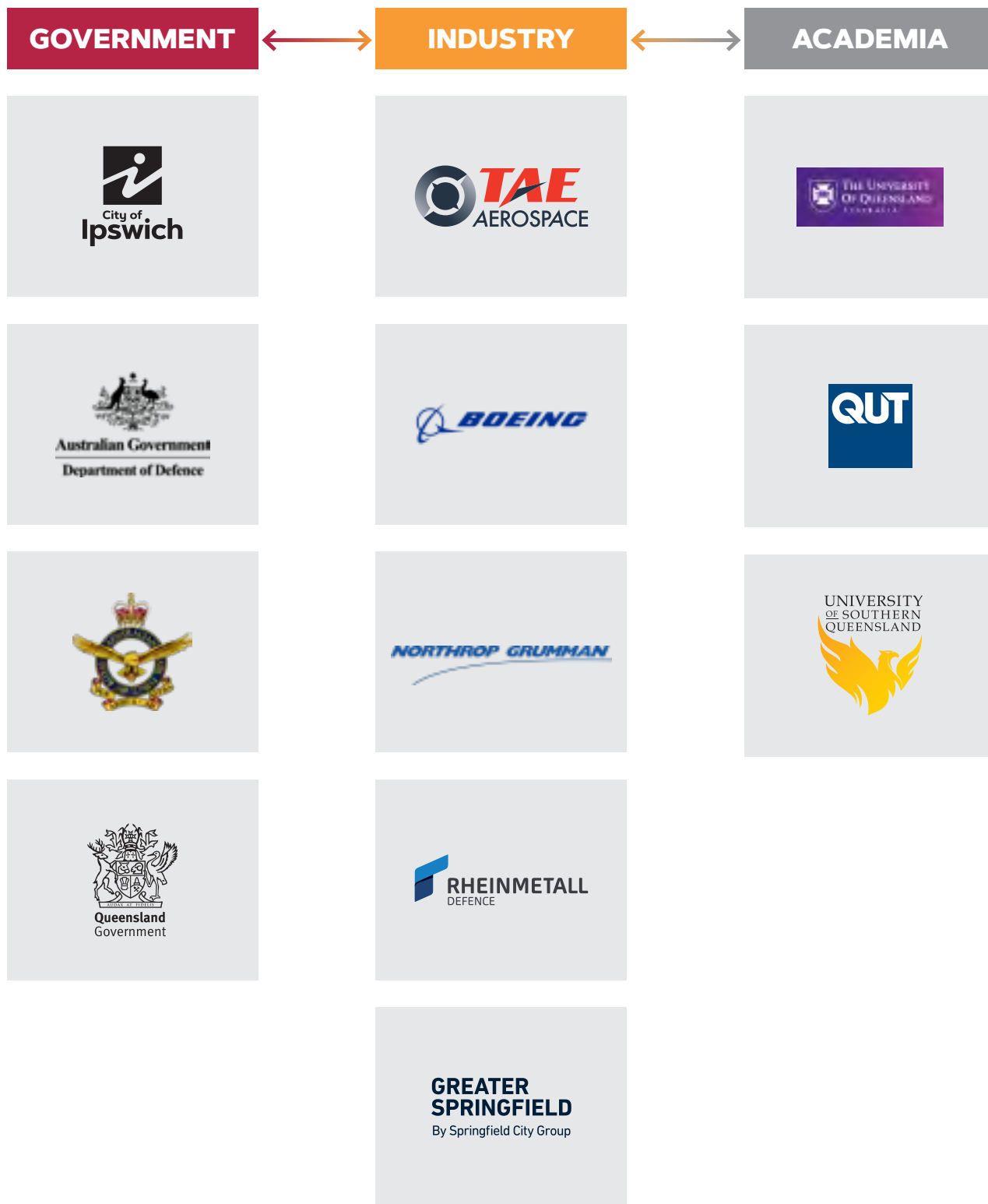
4.4%
population
growth

5.3%
gross regional
product growth

\$7.6 billion
in current
projects

CITY OF IPSWICH DEFENCE INDUSTRY ADVISORY COMMITTEE

A TRIPLE HELIX OF GOVERNMENT, INDUSTRY AND ACADEMIA
PARTNERSHIP GUIDING DEFENCE ACTIVITIES IN THE REGION



The Triple Helix Model refers to a set of interactions between government, industry and academia, to foster economic and social development through complementary collaboration. The Triple Helix concept has been used as an operational strategy for regional development and to further the knowledge-based economy. (Loet Leydesdorff. 2008. The Netherlands)

EXECUTIVE SUMMARY

In February 2016 the Australian Government released the *Defence White Paper* stating the government's commitment to the safety of the Australian people and to the defence of our territory and national interests.

For the first time, all elements of the government's defence investment, including new weapons, platforms, systems, and the enabling equipment, facilities, workforce, information and communications technology, and science and technology are outlined in an *Integrated Investment Program*, published with the *Defence White Paper*.

The *Defence Industry Policy Statement* released with the *Defence White Paper* acknowledged the fundamental contribution that Australian industry provides to Defence capability. The *Defence Industry Policy Statement* refocuses Defence's relationship with Australian industry to support the plans in the *Defence White Paper*.

The government's Defence strategy is supported by increased Defence funding, enabling approximately \$195 billion of new investment in Defence capabilities in this period.

The Queensland Government is committed to ensuring our state's defence industries can take maximum advantage of this opportunity and cement their place as Australia's next generation defence supplier.

The *Queensland Defence Industries 10-Year Roadmap and Action Plan*, part of the *Advance Queensland* initiative, is the state plan to support growth in this sector. The Queensland Government's vision under the roadmap is to significantly increase defence revenue and generate 3,500 new full-time jobs by 2028.

The *Defence Ipswich Action Plan 2018–2023* is aligned to the Australian Government and Queensland Government defence commitments and provides an industry led regional plan to deliver on those advances.

It recognises the importance of Defence to the region's community and economic prosperity. It has been developed by Ipswich City Council in cooperation with the Queensland Government, Defence and industry to ensure its relevance and success.

Furthermore, the City of Ipswich Defence Industry Advisory Committee (CIDIAC) has been established with representatives from Ipswich City Council, Queensland Government, the Australian Defence Force, industry and universities to drive defence collaboration and delivery.

The alliance of CIDIAC and the *Defence Ipswich Action Plan 2018–2023* is the first model of its kind in Australia and empowers Ipswich as a national leader in defence industry activity and opportunity.





Image © Boeing Defence Australia 2018

NATIONAL CAPABILITY FOCUS

Defence has recognised that it must improve the way its capability requirements are linked with Australian defence industry's capacity to deliver.

The Australian Government Department of Defence *2016 Defence White Paper* aligns Australia's Defence strategy with capabilities and resourcing, grows international defence partnerships to support shared security interests and invests in the partnership with Australian defence industry to develop innovative technologies and deliver essential capabilities.

To ensure the Australian Defence Force maintains the highest levels of military capability, the government is making a significant long-term investment in Defence's warfighting equipment and supporting systems, research and development, and the skills and training of Defence personnel.

The government will strengthen Defence capability in six capability streams:

- Intelligence, surveillance, reconnaissance, space, electronic warfare and cyber capabilities
- Maritime and anti-submarine warfare capabilities
- Strike and air combat capabilities
- Land combat and amphibious warfare capabilities
- Key enablers essential to supporting the operation and sustainment of defence
- Air and sea lift capabilities

To deliver these capabilities, the government's long-term funding commitment provides a new 10-year *Integrated Investment Program*, allocating approximately \$195 billion in the decade to 2025–26 to investment in new and enhanced capabilities.

To have the most effective military force, Defence has recognised that it must improve the way its capability requirements are linked with the Australian defence industry's capacity to deliver. It is a focus on a more direct and earlier role for the Australian defence industry in capability development and sustainment, a collaborative approach to innovation and a closer relationship with the Australian defence industry.

The government aims to strengthen Defence's collaboration with the Australian defence industry, cutting red tape and investing in new technologies to help build the Australian defence industry's competitiveness, create economic opportunity for Australians and support the nation's Defence capabilities.

The government has committed to better linking its capability needs with the Australian defence industry's capacity to deliver, ensuring that decisions about Defence capabilities also take proper account of the Australian defence industry.

QUEENSLAND GROWTH FOCUS

The Queensland Government *Defence Industries 10-Year Roadmap and Action Plan* states that Queensland's defence industries employ more than 6,500 people, generated an estimated \$6.3 billion in revenue in 2015–16 and secured \$4.3 billion in Australian defence contract payments in 2016–17.

It establishes a vision that by 2028 Queensland will be Australia's front line for the defence industry by increasing the revenue contribution to the Queensland economy to \$7 billion and creating a 10,000-strong, highly skilled workforce renowned for its agility, innovation and depth of capability in supporting the Australian Defence Force and its allies.

The *Queensland Defence Industries 10-Year Roadmap and Action Plan* builds on the state's current strengths and addresses a number of challenges identified through consultation with the Australian Defence Organisation and industry stakeholders.



The Roadmap includes three key strategies and seven priority actions; they are:

1. Grow Queensland defence industry capability.

Priority actions:

- 1.1 Work with Queensland industry to strengthen its defence business capability.
- 1.2 Work with Defence and industry to assist Queensland companies to enter defence supply chains.
- 1.3 Establish the Defence and Aerospace Industry Development Fund to assist Queensland small and medium-size enterprises (SMEs) to access defence contracts both directly and through supply chain opportunities.

2. Significantly increase Queensland's defence industry contribution to the national and global market.

Priority actions:

- 2.1 Work to secure a greater portion of national defence work, including in regional Queensland.
- 2.2 Maximise Queensland's geographic strategic significance by identifying and securing opportunities that provide regional economic activity.
- 2.3 Work with Defence to maximise opportunities for Queensland industry in planning, sustaining and developing defence facilities in Queensland.

3. Promote Queensland's defence industry capabilities.

Priority action:

- 3.1 Promote Queensland's industry capability to national and international defence markets.

The Queensland Government's Defence Industries unit supports the vision and enables delivery of the key strategies and priority actions.



THE DEFENCE OPPORTUNITY FOR THE CITY OF IPSWICH

The Australian Federal Government's objectives for investment in Defence and industry present opportunities for regions including Ipswich to facilitate an environment to grow regional defence-ready SMEs, support expansion of primes and encourage a triple helix of government, industry and academia collaboration to foster innovative ecosystem for increased defence footprint in the region.




The national and international defence outlook and spending are growth drivers to regional industry to participate in defence supply chain, access export markets, attract defence projects, and build local industry capability through increased collaboration with defence stakeholders in Australia and overseas.

Ipswich is recognised as one of Australia's primary defence regions with significant Australian Defence Force representation, an extensive industry network, an established skilled workforce and a demonstrated capacity for growth and innovation. Ipswich hosts organisations that are involved in and have potential for supplying military capability of Australia and overseas. They encompass research and development, engineering, manufacturing, and the service of military materiel and facilities across air, land and sea domains.

Defence is the second largest industry in Ipswich in terms of export value at \$1.41 billion and nearly 10 per cent of all employment in Ipswich is in the defence industry and associated supply chain.

A quarter of Queensland's defence workforce operates in Ipswich.

Defence contributes to the City of Ipswich (2017/18):

	\$1.41 billion in export
	\$617 million value add
	10% of all Ipswich jobs

RAAF Base Amberley is Australia's largest military air base, contributing over 5,200 local jobs and more than \$565 million in direct regional expenditure each year. The Australian Government has made a commitment to the expansion of RAAF Base Amberley with \$1.2 billion in new investment and an additional 2,800 defence jobs in the Ipswich region by 2020. RAAF Base Amberley plays a significant role in bolstering Defence's mobility, strike-force and heavy-lift capacity plus key elements of the RAAF Intelligence, Surveillance and Reconnaissance capability, Airborne Early Warning and Control and unmanned aerial systems.

In March 2018, the Australian Government announced Rheinmetall Defence Australia as the successful tenderer for the \$5.2 billion LAND 400 Phase 2 contract with its Boxer combat reconnaissance vehicle. Rheinmetall is now establishing its Australia-New Zealand Headquarters and Military Vehicle Centre of Excellence (MILVEHCOE) in Ipswich. LAND 400 is the largest acquisition project in the history of the Australian Army and is a catalytic outcome that will create unrivalled opportunities for the Queensland's defence and advanced manufacturing industries for decades to come.

LAND 400 PHASE 2: COMBAT RECONNAISSANCE VEHICLE – AUSTRALIAN SUPPLIERS

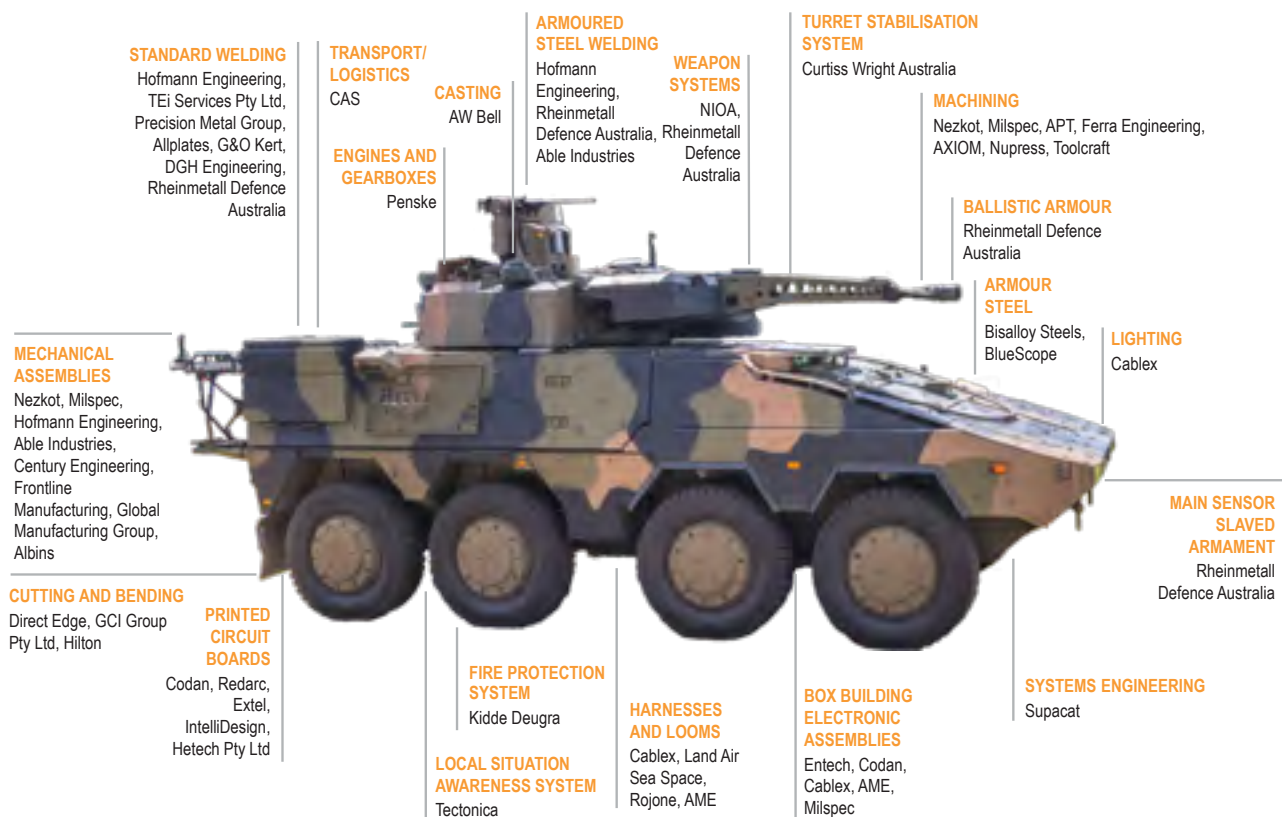


Image © Rheinmetall Defence Australia 2018

Rheinmetall expects that over 450 jobs will be created and \$1 billion will be contributed to the Queensland economy in the first 10 years. Rheinmetall's MILVEHCOE is located in the heart of Australia's largest heavy vehicle manufacturing and sustainment precinct and will not only manage the delivery and continued development and sustainment of the Boxer CRV but will be the regional hub with an expected program of continuous design, manufacture and support for up to 5,000 military vehicles across Australia and the Asia Pacific.

Ipswich benefits from an exceptionally strong presence of defence industry primes and specialised defence contractors including TAE Aerospace, Boeing Defence Australia, Rheinmetall Defence Australia, Northrop Grumman Corporation, Thales, RUAG, Spotless and Raytheon Australia. These industry leaders are creating and facilitating increased opportunity for Ipswich's strong advanced manufacturing and logistics sectors to participate in the global defence supply chain.

A proactive Local Government, Ipswich is leading the way in accelerating the growth of regional defence and is strategically positioned to respond to the emerging

Defence opportunities. In 2017 Ipswich City Council established the CIDIAC – City of Ipswich Defence Industry Advisory Committee, to advise on and guide defence initiatives in the region. The CIDIAC follows a triple helix model of collaboration between three levels of government, industry and academia, which is an exemplar in the defence industry in Australia.

Ipswich is strategically positioned to the Brisbane CBD, the Port of Brisbane and Brisbane Airport, and is well serviced by major roads and rail. Boasting nearly one third of all available industrial land in South East Queensland, Ipswich is experiencing growth across industries including aerospace, manufacturing, food processing, steel fabrication, transport, warehousing and logistics-based industries.

Ipswich is creating a culture of innovation and entrepreneurship, nurturing and attracting start-ups that are diversifying the local economy and creating a talent pool of innovators that can be leveraged by local industry. With such a strong agenda for Innovation, Ipswich is growing into a living test bed for new ideas and the perfect ecosystem for undertaking research and development of new innovations and industry driven solutions.

CITY OF IPSWICH KEY ECONOMIC AND INDUSTRIAL CENTRES

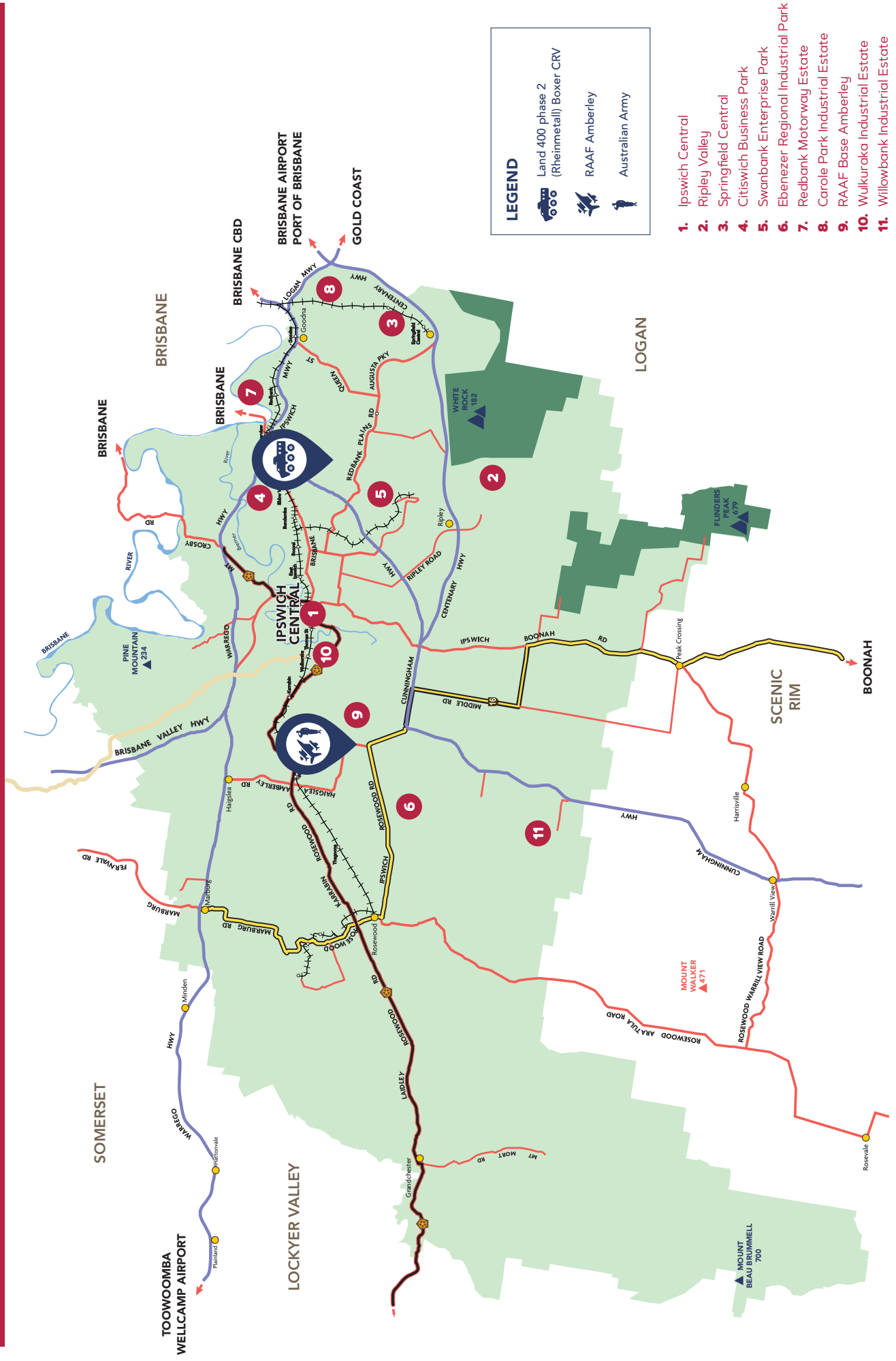






Image © Commonwealth of Australia 2018

STRATEGIC GOALS

The City of Ipswich aims to be the preferred regional location for Defence and the defence industry in Australia leveraging from its exceptional reputation for defence capability, innovation and success.

This model will provide opportunities for local industry to access supply and value chains and contribute to the continued evolution of a knowledge-intensive and skilled regional workforce.

Ipswich also aims to build a whole-of-life opportunity to industry and the Defence community by offering superior services that integrate Defence and broader community. By facilitating pathways, Defence personnel and families can stay and work in the defence industry, academia and other sectors through facilitation of deep defence networks and the support structures that exist in Ipswich.

DEFENCE IPSWICH: STRATEGIC GOALS

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1 Position and promote Ipswich as a strategic growth location for capability, innovation and growth.
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2 Advocate for and support Defence within the Ipswich region and community.
- 


3 Facilitate and develop the regional defence industry supply chain ecosystem.
- 



4 Enable defence industry employment and business development opportunities.
- 

5 Enhance defence industry, government, academia and entrepreneurial collaboration and innovation.

The *Defence Ipswich Action Plan 2018–2023* sets the scene for achieving five overarching strategic goals supported by key initiatives and activities outlined below.

FIVE STRATEGIC GOALS, INITIATIVES AND SUPPORTING ACTIONS 2018–2023

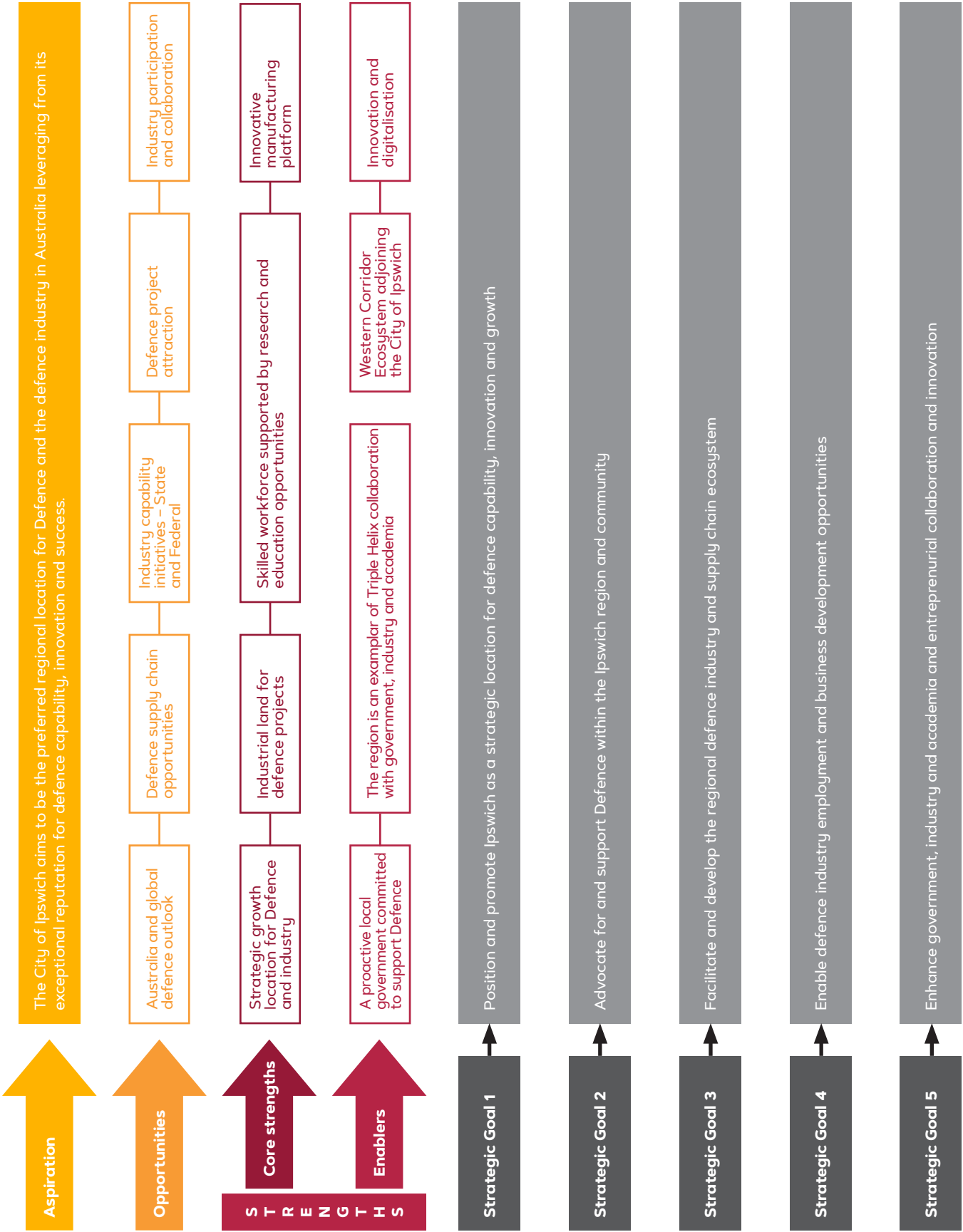
Strategic Goals	Initiatives	Actions
 <p>Strategic Goal 1: Position and promote Ipswich as a strategic location for defence capability, innovation and growth</p>	<p>INITIATIVE A: Lead development and implementation of The Defence Ipswich Action Plan 2018–2023 to communicate Ipswich’s vision of partnering with Defence and growing regional defence industry engagement and collaboration with key stakeholders</p>	<p>A1: Collaborate with industry, CIDIAC and all three levels of government to facilitate the successful implementation of the Defence Ipswich Action Plan</p> <p>A2: Investigate the opportunity to establish a Defence Ipswich champion / advocate to promote the region through strategic platforms</p> <p>A3: Inform, connect and advocate for the region and industry through ongoing communication to raise the profile of Defence Ipswich opportunities</p>
	<p>INITIATIVE B: Profile and promote Ipswich as a defence meeting place</p>	<p>B1: Establish an annual Defence Ipswich platform to showcase the convergence of cross-disciplinary teams and industry, exchange dialogue and build up national and international networks to promote Ipswich’s Defence strengths and capabilities</p> <p>B2: Raise the profile of the region through participation in inbound and outbound key forums and events, build networks, promote and attract future projects</p>
	<p>INITIATIVE C: Grow Ipswich’s reputation with defence families as a location where several phases of a career can be undertaken, including the well-managed transition from active defence service across the lifecycle of defence personnel</p>	<p>C1: Engage the Defence community with the Defence Ipswich cluster bringing together primes, suppliers and researchers to support business and community outcomes</p> <p>C2: Establish a defence communities information portal and collaboration zone in partnership with regional ADF representation</p>

Strategic Goals	Initiatives	Actions
 <p>Strategic Goal 2: Advocate for and support Defence within the Ipswich region and community</p>	<p>INITIATIVE A: Build on heritage and champion and support the expansion and growth of RAAF Base Amberley</p>	<p>A1: Support ongoing communication between ICC, RAAF and relevant stakeholders</p>
	<p>INITIATIVE B: Champion and establish the land platform support and manufacturing ecosystem</p>	<p>B1: Support ongoing engagement between army and land platform providers in the region</p>
	<p>INITIATIVE C: Advocate for defence needs to align with the urban environment and integrate with the community through appropriate strategic planning and ensure Ipswich is recognised as the preferred location for defence and defence industry business</p>	<p>C1: Support initiatives which facilitate a Defence facilities and environment working group</p> <p>C2: Support RAAF Base Amberley to implement the Royal Australian Air Force's 2021 centenary celebration to be held at Ipswich</p>
 <p>Strategic Goal 3: Facilitate and develop the regional Defence, defence industry and supply chain ecosystem</p>	<p>INITIATIVE A: Provide value-added aftercare and case management services to existing defence contractors and primes and support their growth in the region</p>	<p>A1: Collaborate with all levels of government and Industry to support all phases of JSF, C-27J, Growler, KC -30A, and all phases of LAND 400 and LAND 121</p> <p>A2: Collaborate with state and federal government agencies, industry networks and bilateral chambers to support corporates in the region</p> <p>A3: Act as a primary point-of-contact for communication and engagement to existing primes and contractors in the region</p> <p>A4: Facilitate a pipeline of defence priority projects to the region</p>
	<p>INITIATIVE B: Facilitate air and land cluster ecosystem to connect regional SMEs with supply chain opportunities</p>	<p>B1: Support the growth of air programs in Amberley and surrounds targeting key opportunities around JSF, C-27J, Growler and KC-30</p> <p>B2: Support the growth of land programs in Ipswich targeting new supply chain opportunities around LAND 400 (all phases) and LAND 121</p>

Strategic Goals	Initiatives	Actions
 <p>Strategic Goal 4: Enable defence industry employment and business development opportunities</p>	<p>INITIATIVE A: Partner with stakeholders and networks to meet industry expectations and demands</p>	<p>A1: Collaborate with industry to map their expectations and Defence requirements</p> <p>A2: Collaborate with all levels of government to support a defence industry scale-up program and partner with industry, academia and research centres, to enable SMEs to be defence-ready and enter national and international supply chains</p>
	<p>INITIATIVE B: Proactively collaborate with industry, networks, government and academia to connect SMEs with innovative supply chain opportunities</p>	<p>B1: Coordinate the Defence Ipswich activity schedule and facilitate defence Industry events, workshops, government and industry meetings and inbound and outbound business missions within strategic markets</p> <p>B2: Work together with the Centre for Defence Industry Capability (CDIC), Team Defence Australia (TDA), AIDN and other networks to facilitate defence business-ready workshops and activities</p>
 <p>Strategic Goal 5: Enhance defence industry, government, academia and entrepreneurial collaboration and innovation.</p>	<p>INITIATIVE A: Support the Queensland Government establishment of a defence supply chain logistics hub in Ipswich</p>	<p>A1: Support the establishment of an Ipswich based Defence Hub in collaboration with the Queensland government and industry networks to develop defence-ready SMEs to access industry supply chain opportunities</p>
	<p>INITIATIVE B: Support a defence industry technology and research precinct in Ipswich with a priority focus on autonomous technology, materials, robotics, analytics, cyber technologies and research. This innovation precinct will connect investment across sectors, build on the region's historical manufacturing and sustainment capabilities and align with the goals and aspirations of Ipswich as a smart city</p>	<p>B1: Collaborate with industry and government to initiate scoping for a technology and innovation precinct to address industry challenges. This industry lead Centre of Excellence would be a collaboration of all levels of government, industry and academia to research and develop this innovation ecosystem</p> <p>B2: Partner with the Defence Science Technology Group (DST) and the Commonwealth Scientific and Industrial Research Organisation (CSIRO), Queensland universities and the defence industry to enhance Australia's defence industry capabilities</p>
	<p>INITIATIVE C: Work with City of Ipswich Defence Industry Advisory Committee (CIDIAC) and key industry partners to provide strategic direction and engagement for the establishment of a defence industry technology and research network</p>	<p>C1: Work with CIDIAC and key stakeholders to identify industry and research partners and encourage support and participation from State and Commonwealth Governments</p>



DEFENCE IPSWICH - ACTION PLAN FRAMEWORK





CONCLUSION

The ongoing capability development, growth and sustainment of Defence and the defence industry is critical to maintaining Australia's national security.

As Australia moves towards building an innovative and resilient defence industry, key defence regions such as Ipswich will have a larger role to play in contributing to the national interest. Resilient and innovative defence industry growth requires participation from businesses and an integrated ecosystem close to defence assets, including the bases.

Ipswich holds the assets and the vision required to play a significant role in supporting the development of a dynamic and innovative defence industry both domestically and globally. This will be achieved by championing Defence, developing partnerships and adopting a Triple Helix Model of collaboration between government, industry and academia.

Creating a culture of collaboration and partnership across industry, institutions, state and federal governments and global value chains is critical to the Defence Ipswich vision of maximising the economic benefits derived from defence investment in the region. The benefits of an industry-driven strategy mirrors the expectations of business and community enabling resilience and global connection.

The *Defence Ipswich Action Plan 2018–2023* provides the platform and guidance for a targeted approach to growing the economic contribution of the Ipswich defence sector and related industries. This plan details the initiatives aligned with the strategic goals as set out in this summary.

ACKNOWLEDGEMENT

The *Defence Ipswich Action Plan 2018–2023* has been endorsed by The City of Ipswich Defence Industry Advisory Committee (CIDIAC) and is supported by:

- The Department of Defence
- The Department of State Development, Manufacturing, Infrastructure and Planning
- The Centre for Defence Industry Capability

This plan is an exemplar of collaborative engagement with a variety of stakeholders – from government, industry, academia and internally within Ipswich City Council. The authors would like to acknowledge the time and consideration these stakeholders provided during the development of this plan. Additionally, the authors would like to acknowledge the economic analysis provided by KPMG.

APPENDIX: DEFENCE IPSWICH SUCCESS STORIES

Boeing Defence Australia

Boeing Defence Australia (BDA) is one of Australia's leading aerospace enterprises and the partner of choice for some of Australia's largest and most complex defence projects.

Across fourteen Australian sites and three international locations, BDA provides its customers with world class, innovative solutions focused on through-life service, specialising in support, maintenance, modification and upgrade of Boeing and non-Boeing aircraft, military aircrew training design and delivery, and the design, development and support of command, control, computers, communications, intelligence, surveillance and reconnaissance (C4ISR) solutions.

BDA has a strong relationship with the Royal Australian Air Force, supplying maintenance and training and the provision of electronic air combat systems. BDA provides services to numerous fleets with a variety of needs at RAAF Base Amberley, Ipswich, including air combat groups, combat support groups, surveillance and response groups, air mobility groups, defence material organisation and training groups.

Boeing Defence Australia is a wholly-owned subsidiary of The Boeing Company within the Boeing Defence, Space and Security business unit.

Rheinmetall Defence Australia

Rheinmetall Defence Australia is the Australian-based global hub of Rheinmetall Defence and the largest supplier of military vehicles to the Australian Defence Force. Specialising in innovative defence products and automotive technology, Rheinmetall provides upgrades, repair and overhaul programs for existing fleets as well as the production and delivery of new land systems.

Rheinmetall Defence Australia is establishing the Military Vehicle Centre of Excellence (MILVEHCOE) in Ipswich as its Australia-New Zealand headquarters. The MILVEHCOE will operate as a sovereign industrial capability for the continuous design, manufacture, export and support for military vehicles, turrets and tactical systems, both locally and upwards into the global supply chain. Rheinmetall has an ongoing commitment to deliver the LAND 121 Phase B program and has recently secured the LAND 400 Phase 2 program which will be delivered from MILVEHCOE.

Rheinmetall Defence Australia includes Rheinmetall MAN Military Vehicles Australia, Rheinmetall Simulation Australia, Rheinmetall Technical Publications and Rheinmetall Land Systems.

Northrop Grumman Corporation

Northrop Grumman is a leading provider and integrator of autonomous, C4ISR, cyber and logistics strike systems and solutions. Northrop Grumman provides services and capabilities to the Australian Defence Force across the Royal Australian Army, the Royal Australian Navy and the Royal Australian Air Force. With an operational site providing support to RAAF Base Amberley, both onsite and nearby at Springfield Lakes, Northrop Grumman recently secured a contract to provide RAAF with unmanned autonomous aircraft capabilities through its Triton unmanned system.

At RAAF Base Amberley and nearby at Springfield Lakes, Northrop Grumman supports the ADF through the provision and servicing of the KC-30A Multi-Role Tanker Systems and Expeditionary Tactical Automated Security System (ExTASS) and it has a maintenance and training facility at Hangar 1, Brisbane Airport.

TAE Aerospace

TAE Aerospace is a wholly Australian-owned aerospace company providing aerospace engineering, manufacturing, turbine engine and component MRO and enabling technologies. The largest turbine engine maintenance provider in Australia, TAE operates as a through-life support provider, with headquarters at RAAF Base Amberley. TAE Aerospace is currently contracted to deliver engineering, maintenance and logistics services for the RAAF's F/A-18 aircraft engines and support to the Australian Army's AGT1500 turbine engine powering the Abrams tank.

TAE Aerospace, in partnership with CSIRO, created Fountx AsR wearable technology in a move to revolutionise teleconferencing and communications by integrated, assisted and augmented reality in safety-conscious, restricted-access and high-risk settings where technical information sharing is required.



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