

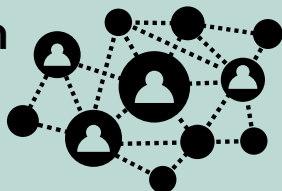
QUEENSLAND DEFENCE
SCIENCE ALLIANCE

STRATEGIC PLAN



2021-2026

Communication
Connection
Collaboration



OUR MISSION

To grow and connect an agile Defence innovation ecosystem, leveraging Queensland's strengths, to deliver trusted solutions to meet Defence requirements.

Our Alliance connects universities, industry, innovation hubs and precincts, State and Federal government organisations and Defence to better position Queensland in Defence Innovation and Defence Training, Sustainment and Acquisition Programs.



The seven Alliance universities and industry partners, with the continued support of State and Federal governments, will work collaboratively to drive research and innovation for enhanced Defence capability.



**Queensland
Government**



**Australian Government
Department of Defence**

01 DEFENCE REQUIREMENTS

To understand and respond promptly to Defence needs

02 RESEARCH & DEVELOPMENT

To advance defence research in Queensland's universities and industries

03 TRUSTED DELIVERY

To contribute leap-ahead capability and specific training to address Defence needs

OUR AIMS & PURPOSE

What We Do

Create and nurture connections and collaborations between Queensland Universities, Defence industry, Defence Science Technology Group, Capability Acquisition and Sustainment Group, Australian Defence Science and Universities Network and other government and international organisations Facilitate connections to mobilise expertise in funded Defence priorities



Why We Do It

To accelerate the innovation pipeline in Queensland to rapidly translate ideas to reality.

- Strengthen Australian research and industry assured sovereign supply chains to achieve game changing capability for Defence at scale.
- Solve ADF problems – to translate research concepts to Defence capability.
- Assist in building and supporting a cohesive Queensland Defence innovation ecosystem to accelerate the transition of research into capability.
- Encourage Defence capability concept experimentation.
- Nurture the future workforce which will lead Defence research in Queensland

OUR OUTCOMES

COMMUNICATION

Better capability development through coordination of support and funding.

Increase relationships across the alliance, Defence, Government and Australian Defence Science and Universities Network (ADSUN).

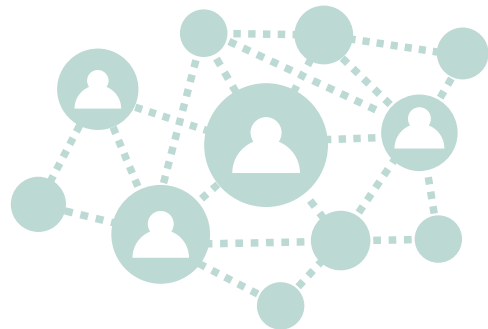
Raise awareness of capability in Queensland through alliance connections internally and externally

CONNECTION

Increase Queensland participation in Defence programs and activities.

Increase the Alliance's reputation as a respected strategic partner to Defence.

Promote other opportunities and dual use technology for applications such as the Olympics (cyber and data security, CBRN threat detection and response, agriculture, mining, maintenance etc).



COLLABORATION

Provide opportunities for HDR students to showcase research capabilities to solve a Defence problem \$25k per grant.

Provide funding for University and Industry collaborative research partnerships to demonstrate solutions that satisfy an existing or emerging Defence capability requirement up to \$250k per grant.

Identify and promote shared opportunities for access to test & evaluation facilities across the nation.

Long Term Outcome: Transdisciplinary, national and international collaboration to win Defence Acquisition programs.

MEASURING OUR SUCCESS BY

- Demand for QDSA initiatives by the ADF and wider Defence.
- Successful grants addressing key Defence priorities, with a steady yearly increase in grant volume and complexity.
- A QDSA activity schedule that promotes the QDSA mission monthly, quarterly and yearly events and activities).
- Funding increases that are proportionate to the QDSA growth pathway.
- QDSA growth necessary to meet the increased demand across academia, industry and Defence.
- Hosting events and workshops to increase the ecosystem of Defence ready partners in Qld.
- Numbers of collaboration activities and workshops facilitated.
- Numbers of funding opportunities delivered and grants contracted.
- Membership growth.
- Co-investment attracted, funding diversification, collaborations facilitated and jobs supported.
- Case studies showing how QDSA has facilitated positive outcomes.



WE DELIVER OUR STRATEGY BY



1. COMMUNICATION

Outcome

Increase Queensland participation in Defence programs and events.

Actions

Distribute information and conduct workshops to promote opportunities for example:

- Army, Airforce, Navy, CASG funded programs
- STaR Shots
- Defence Innovation Events, Conferences, Army Innovation Day, Army Robotics Expo, Autonomous Warrior etc.
- Sustainment, Maintenance, Acquisition, Training events
- Funding available e.g. TAS DCRC, DSTG, DMTC, ODIS, DIH, etc.

Run information workshops, Q&A engagement with Defence leaders and advisors

Outcome

Increase the Alliance's reputation as a respected strategic partner to Defence.

Actions

Advocate the strengths of the Alliance to:

- Defence (users and decision makers) and Australian Government Organisations
- Queensland innovation enterprise (Hubs, Nodes, Communities of Interest, Forums)
- Australian Defence Science and Universities Network (ADSUN)
- Alliance members

WE DELIVER OUR STRATEGY BY



2. CONNECTION

Outcome

Better capability development through coordination of support and funding.

Actions

Connect Alliance members (the capability providers) with Defence users and decision makers.

Use QDSA funds to facilitate connections, form consortiums, demonstrate capability and better place Qld to compete for Defence projects.

Help Alliance members to connect to larger funding from other sources such as ODIS and DIH.

Outcome

Increase relationships across the Alliance and ecosystem for example, Defence, Government and Australian Defence Science and Universities Network (ADSUN).

Actions

Facilitate introductions:

- Conduct information awareness and networking events (in person and online)
- Co-deliver or sponsor events (Universities, Queensland Defence industry, Hubs, Nodes, Communities of interest)
- Targeted workshops and training responding to Defence requirements (STaR Shots, Artificial Intelligence for Decision Making, Quantum Tech Challenge etc)

Outcome

Awareness of capability in Queensland through Alliance connections.

Actions

Maintain the Alliance university capability statement and conduct regular mapping and evolve to a live online tool.

Contribute to the Qld Department of State Development, Department of Environment and Science and Trade Investment Qld capability directories for industry.

Help evolve the Government mapping of Industry Capability into an accessible tool for the Alliance and Defence.

WE DELIVER OUR STRATEGY BY



3. COLLABORATION

Outcome

Lead University Defence Collaboration Coordinators Working Group.

Actions

Coordinate and chair monthly meetings:

- Promote collaboration opportunities within university network
- Coordinate university capability mapping activities
- Facilitate new relationships
- Identify new opportunities that can be explored

Outcome

Identify and promote shared opportunities for access to training, simulation, test & evaluation facilities

Outcome

Provide opportunities for HDR students to showcase research capabilities to solve a Defence problem \$25k per grant.

Actions

Coordinate member university HDR capability grant submission process.

Increase participation in QDSA HDR Capability grant:

- Secure appropriate Defence sponsors
- Coordinate grant agreement and funding processes

Actions

IPromote within industry, university and Defence network

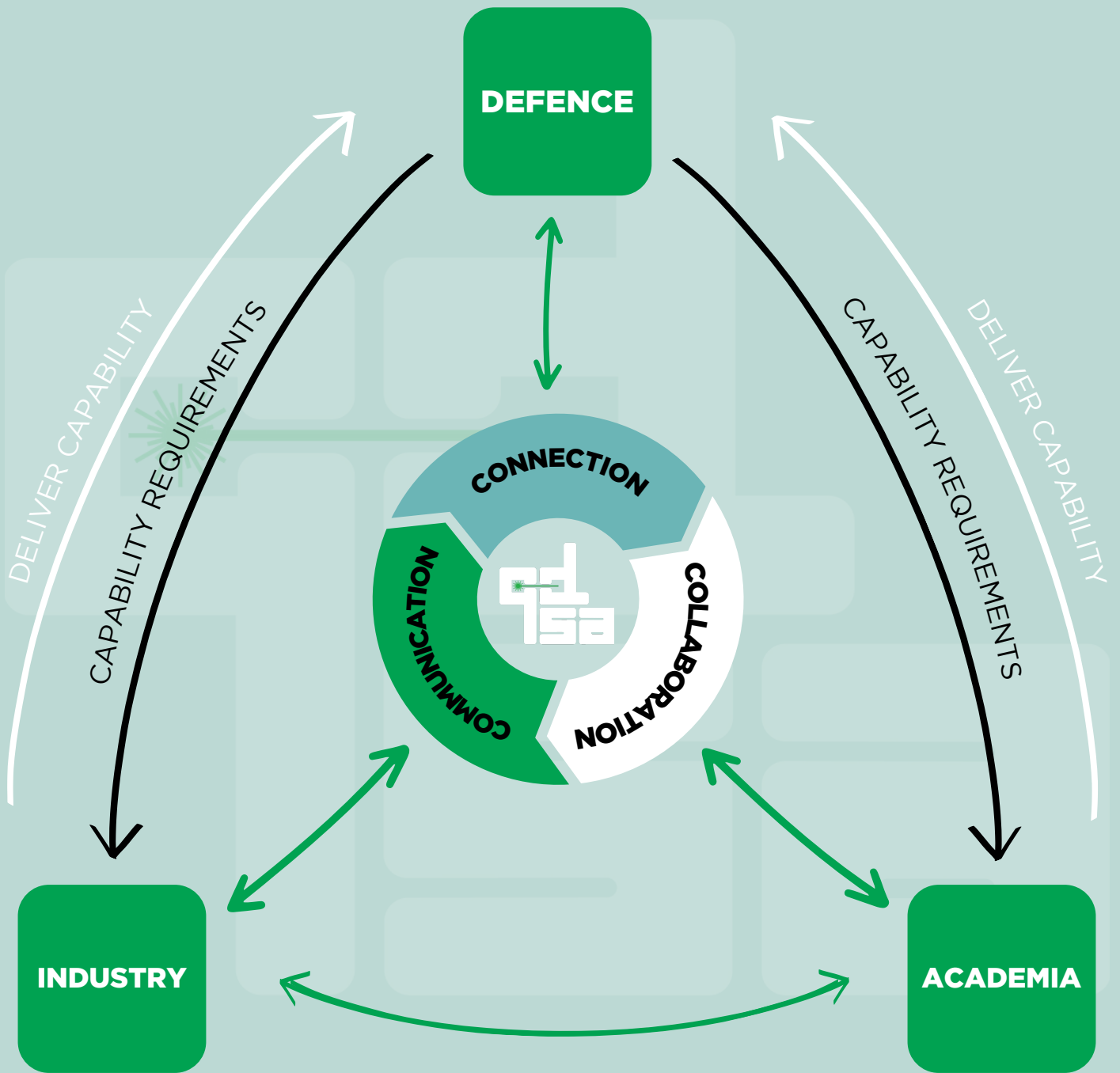
Outcome

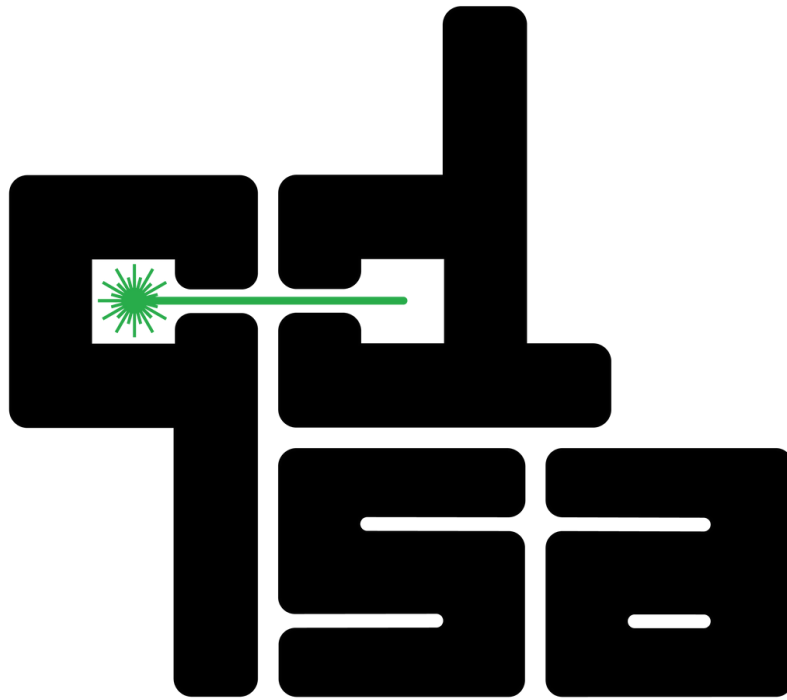
Multiple University and Industry collaborative research partnerships to demonstrate solutions that satisfy an existing or emerging Defence capability requirement.

Actions

- Develop partnership opportunities program with start-up funding provided from QDSA funds up to \$250k
- Conduct information awareness sessions
- Coordinate grant agreement and funding processes
- Facilitate Defence sponsor/ advisor

THE QDSA NETWORK





QUEENSLAND DEFENCE
SCIENCE ALLIANCE

ACCELERATING THE ADVANTAGE



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