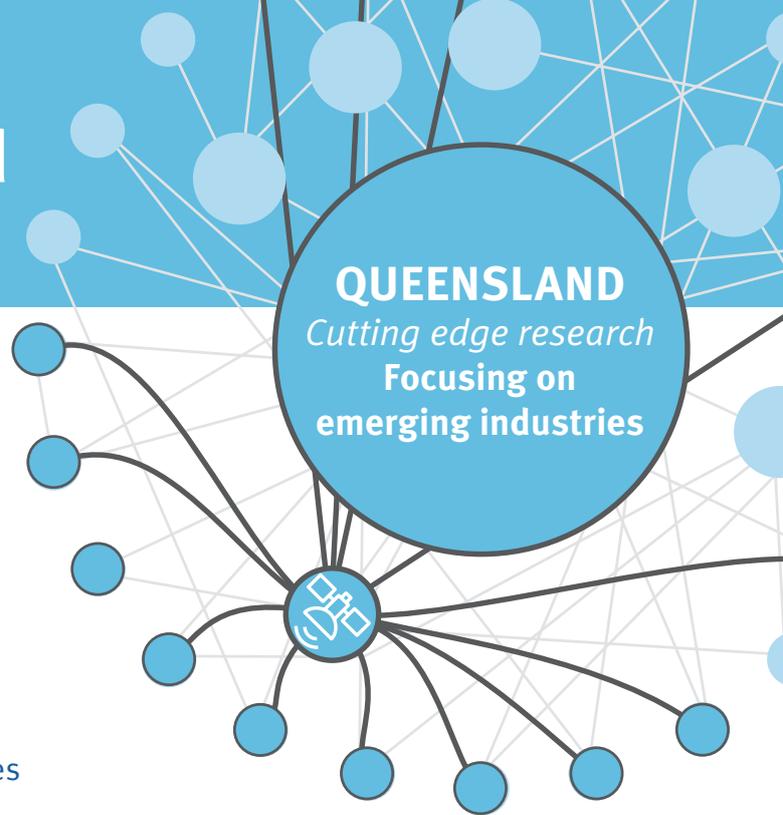


# Next generation aerospace, defence and transport technologies

## Connecting people and places

Take a look at our **STRATEGIC VISUALISATION TOOL** to learn about Queensland's scientific capability in new industries. The tool links with the Queensland Science Capability Directory that provides information on all the research centres in the state. You can also connect with our sector leads.

Visit [www.qld.gov.au/ScienceEmergingIndustries](http://www.qld.gov.au/ScienceEmergingIndustries)



*Queensland has world-leading capabilities in autonomous systems, testing drones and developing advanced sensors, some of which have been used by NASA Mars rovers.*

Professor Paulo De Souza  
Griffith University

## Queensland's competitive advantage

Queensland is ideally placed to advance next generation aerospace, defence and transport technologies. We're located at the gateway to the Asia-Pacific region, close to almost half of the world's population, with extensive existing economic connections to these markets. These advantages motivated leading contractors like Boeing Defence Australia, Raytheon, and Airbus Helicopters to establish their headquarters here.

The unique geographical location, highly-supportive legislation, a strong defence industrial base, and world-class supply chain capabilities support the future of these industries in Queensland. Generous research and development (R&D) tax incentives and Aerospace Gateway schools to educate the workforce of the future underpin these emerging industries in Queensland.

## R&D capabilities

Queensland is home to innovative and emerging technology hubs, including state-of-the-art defence groups, and aerospace and space technology centres, offering collaboration opportunities and partnerships. Our impressive research output includes the public transport network for the city of the future to state-of-the-art hypersonic wind tunnels.

In aviation, Queensland is a leader in unmanned aircraft systems, with the world-class Trusted Autonomous Systems Defence Cooperative Research Centre based in Brisbane.

Additionally, Queensland has strong capabilities in the future of helicopter design and the integration of electronic systems into aerospace applications.

Drawing together industry, researchers and businesses, Queensland is actively developing capabilities such as robotics, artificial intelligence and trusted autonomous systems, positioning the state as a global leader in innovative technologies.

The diverse transport network across Queensland is testament to the dedication and ingenuity of our R&D cohort. Local railway engineering hubs across Queensland and world-leading research into population transport modelling, as well as sustainable mass transport, make Queensland the future of global transport technology.

# Next generation aerospace, defence and transport technologies

## Queensland—a great place to invest and do business



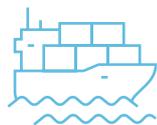
**10,000 employees**

in the defence sector by 2028



**A\$19.2 billion**

or 6% of Gross State Product of Queensland from transport industry



**1373 tonnes**

of cargo moved by Queensland's transport network each year



More than

**20 years**

of dedicated hypersonic research



### Case study

#### Queensland supplying combat reconnaissance vehicles

Rheinmetall Defence Australia is establishing its Australia–New Zealand headquarters and new Military Vehicle Centre of Excellence in Ipswich, Queensland. The centre will continuously design, manufacture and support military vehicles and deliver other defence projects for both the Australian Defence Force and our military allies.

The purpose-built facility is the most advanced military vehicle manufacturing facility in Australia, and will support the delivery of 211 Boxer Combat Reconnaissance Vehicles under the A\$5.2 billion LAND 400 Phase 2 project. The complex includes manufacturing and electronics infrastructure, a vehicle test track, a firing range, and an electromagnetic compatibility chamber.

The new centre benefits from the knowledge base in Queensland, providing new jobs to 450 advanced manufacturing and engineering staff, and injecting more than A\$1 billion into the state's economy.

For more information about Queensland's science and innovation capabilities, please visit:



Visualisation tool:

[www.qld.gov.au/ScienceEmergingIndustries](http://www.qld.gov.au/ScienceEmergingIndustries)

Email:

[qldscience@qld.gov.au](mailto:qldscience@qld.gov.au)