

INVEST IN BRISBANE, AUSTRALIA FOR INNOVATIVE MANUFACTURING

Brisbane excels in the area of advanced manufacturing and is marked as one of the few Australian cities where manufacturing sector growth is expected across the next 20 years.

Manufacturing is one of Australia's most important industries. It employs 949,700 or 7.9 per cent of working Australians and contributed \$103.7 billion or 6.8 per cent to GDP last financial year.¹ Research and development expenditure by manufacturing business totalled \$4.47 billion in 2011-12, making manufacturing the second-largest investors in research and development behind the service industry.²

The manufacturing sector in Queensland employs approximately 178,500 people in over 10,000 businesses.³ Roughly one-quarter (54,405) of these jobs are in Brisbane where manufacturing is still the largest contributor to GDP.⁴ Brisbane's innovative manufacturing industry continues to be concentrated in specific subsectors, with a focus on ensuring long-term growth.

Government at all levels, in cooperation with industry, is promoting continuous innovation as the key driver of increased productivity, higher value-adding, product development and access to new markets.

Brisbane's competitive advantage

Talent, innovation and education

Australia is an innovation-driven economy. The World Economic Forum Global Competitiveness Report 2013-14, placed Australia's higher education and training 15th and its quality of research institutions 23rd highest out of 142 countries.⁵ The Innovation Cities

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Global Index ranked Brisbane in the top 15 per cent of the 445 cities across the globe benchmarked for innovation in 2014.⁶

Brisbane is home to many significant industry-driven research and education facilities. **SkillsTech** Australia is Queensland's largest public provider of trade and technician training, delivering pre-apprenticeship, apprenticeship/traineeship and post-trade training to more than 20,000 students every year. Brisbane is also home to the Queensland Manufacturing Institute, Commonwealth Scientific and Industrial Research Organisation (CSIRO) and the Sustainable Built Environment National Research Centre (SBENRC). SBENRC is a research cornerstone between industry, government and research organisations for the built environment industry. This excellent research and education network ensures manufacturers have access to a high-quality labour pool.

Globally connected

As the closest eastern seaboard capital city to Asia and home to one of the fastest-growing container ports in Australia, Brisbane offers unparalleled shipping and transport opportunities. Cost advantages gained from this close proximity means that Brisbane is perfectly placed as a base for manufacturing.

Economic resilience

Despite global uncertainty, the Queensland manufacturing sector has seen exports continue to grow. It is also the only state where increases in sector employment are predicted for the next 20 years. Brisbane City Council and the Queensland and Australian

"Brisbane is attracting more and more high-added-value companies... that are going to help Brisbane to become one of the economical hubs of this area of the world."

Valentin Merino, Program Manager, Airbus Military

governments all work together to facilitate investment, and with the council representing the third-largest single council-controlled area in the Asia Pacific, providing market opportunities are in abundance.

Resources industry

Queensland's resources boom has further strengthened, with increasing demand for coal and liquefied natural gas (LNG) from all across Asia and the world. There is currently in excess of \$71 billion in resource investments under construction and \$61 billion in the committed or consideration stage in Queensland.⁷

This ongoing expansion has resulted in significant opportunities for companies to supply much-needed technologies and machinery to large mining companies. As Queensland's capital, Brisbane is well placed at the heart of this boom.

Expanding infrastructure

Manufacturers enjoy a well-established infrastructure network in Brisbane, as well as solid plans for the future. South East Queensland (SEQ) is Australia's fastest-growing region. As at June 2013, 3.27 million people called SEQ home,⁸ and this is expected to grow to between 4.15 and 5.09 million by 2031.⁹

To manage this significant increase and secure the region's prosperity and lifestyle, Queensland has committed **\$134 billion** in the Queensland Infrastructure Plan (QIP) to planning and delivering infrastructure projects to 2031.

Coupled with the Brisbane City Council's long-term commitment to infrastructure, this represents the largest public infrastructure spending program in Australian history.

Queensland Infrastructure Plan Estimated Investment by 2031

Sector	Amount
Transport	\$97.7 billion
Health	\$6.8 billion
Education and training	\$3 billion
Energy	\$5.4 billion
Water	\$1.5 billion
Community services	\$3.8 billion
Completed projects	\$16 billion
TOTAL	\$134.2 billion

Source: Department of Infrastructure and Transport, 2011

Opportunities

Advanced manufacturing

Key sub-sectors in advanced manufacturing include sheet metal, micro-electronics, robotics and mineral processing technology. Companies to have achieved success in Brisbane include:

- **ABB**
- **Alphapharm**

¹Australian Government Department of Industry, Manufacturing Data Card, June Quarter 2014

²ABS, 8104.0 Business expenditure on R&D, 2011-12

³ABS, 6291.0 Labour Force, Employed persons by State and Industry, February 2014

⁴SGS Economics and Planning, Australian Cities accounts, 2012-13

⁵World Economic Forum, The Global Competitiveness Report, 2013-14

⁶2thinknow, Innovation Cities Global Index, 2014

⁷Deloitte Access Economics, Investment Monitor, June 2014

⁸Queensland Government Statisticians Office, Queensland Regional Profiles - South East Queensland Regional Planning Area, 2014

⁹Queensland Treasury and Trade Office of Economic and Statistical Research, Population and Dwelling Profile South East Queensland, April 2012

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Machinery and equipment

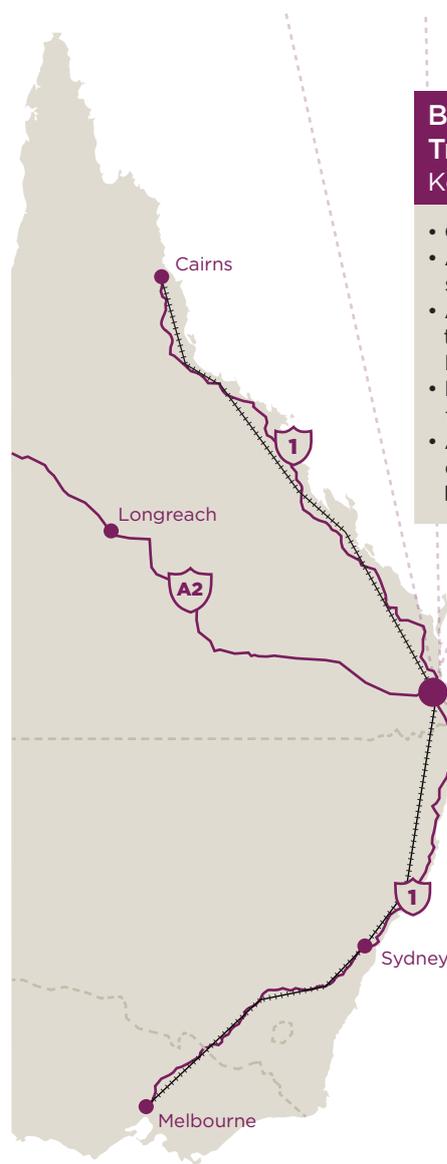
Queensland's booming mining industry means Brisbane is home to some of the world's largest mining companies. Substantial growth has created many opportunities for suppliers to service this market. Companies successfully supporting the mining industry include:

- **Komatsu**
- **Hitachi**
- **Caterpillar**

Packaging and recycling

Brisbane City Council is one of the largest city councils in the Asia Pacific region, and it is well known for its environmental responsibility and innovation. Areas of specialisation are in paper, metal and plastics recycling and packaging. Companies to have achieved success in Brisbane include:

- **Amcor**
- **Sita**
- **OI**



Brisbane's Australia TradeCoast Precinct

Key advantages for business

- Only 6km to the Brisbane CBD
- Access to over 40 shipping lines that service the Port of Brisbane
- A port that is five sailing days closer to Asia than the ports of Sydney or Melbourne
- Brisbane Airport operates curfew-free, 24-hours a day
- Access to 33 international and domestic airlines through the Brisbane Airport