

## Company profiles

Profiled in this directory are the key players in all sectors of Queensland's dynamic GNSS industry, all of which stand ready to partner with you in delivering innovative solutions for your business.

3Logix Pty Ltd <a href="http://www.3logix.com.au">www.3logix.com.au</a>	Hemisphere GPS <a href="http://www.hemispheregps.com">www.hemispheregps.com</a>
AgGuide Pty Ltd <a href="http://www.agguide.com.au">www.agguide.com.au</a>	IGNSS Society Inc. <a href="http://www.ignss.org">www.ignss.org</a>
Alive Technologies <a href="http://www.alivetec.com">www.alivetec.com</a>	iVolve Pty Ltd <a href="http://www.ivolvc.com">www.ivolvc.com</a>
Australian Research Centre for Aerospace Automation <a href="http://www.arcaa.aero">www.arcaa.aero</a>	Leica Geosystems Pty Ltd <a href="http://www.leica-geosystems.com">www.leica-geosystems.com</a>
Automated Positioning Systems Pty Ltd <a href="http://www.apsystems.com.au">www.apsystems.com.au</a>	LinkSoft Pty Ltd <a href="http://www.linksoft.com.au">www.linksoft.com.au</a>
Bacchus Management Systems Pty Ltd <a href="http://www.bacchus.com.au">www.bacchus.com.au</a> <a href="http://www.tims.net.au">www.tims.net.au</a>	Location Australia <a href="http://www.ignss.org">www.ignss.org</a>
BIGmate Monitoring Services Pty Ltd <a href="http://www.bigmate.com.au">www.bigmate.com.au</a>	Locatrix Communications <a href="http://www.locatrix.com">www.locatrix.com</a>
CMD – Product Design and Innovation Pty Ltd <a href="http://www.cmd.net.au">www.cmd.net.au</a>	National Centre for Engineering in Agriculture University of Southern Queensland (USQ-NCEA) <a href="http://www.ncea.org.au">www.ncea.org.au</a>
Centre for Railway Engineering Central Queensland University <a href="http://www.cre.cqu.edu.au">www.cre.cqu.edu.au</a>	Paxor Pty Ltd <a href="http://www.paxor.com.au">www.paxor.com.au</a>
Cooperative Research Centre for Spatial Information <a href="http://www.spatialinfocrc.org">www.spatialinfocrc.org</a>	Pivotal Satellite Pty Ltd <a href="http://www.pivotal.com.au">www.pivotal.com.au</a>
CSIRO, the Commonwealth Scientific and Industrial Research Organisation <a href="http://www.ict.csiro.au">www.ict.csiro.au</a> <a href="http://www.em.csiro.au">www.em.csiro.au</a>	Position One Consulting <a href="http://www.positiononeconsulting.com">www.positiononeconsulting.com</a>
CTF Solutions <a href="http://www.ctfsolutions.com.au">www.ctfsolutions.com.au</a>	Sirian Pty Ltd <a href="http://www.sirian.com">www.sirian.com</a>
Dynamic Satellites Surveys Pty Ltd <a href="http://www.dss.com.au">www.dss.com.au</a>	Technisyst Pty Ltd <a href="http://www.technisyst.com.au">www.technisyst.com.au</a>
Excel Technology Group Pty Ltd <a href="http://www.exceltech.com.au">www.exceltech.com.au</a>	Topcon Positioning Systems (Aust) Pty Ltd <a href="http://www.topconpositioning.com">www.topconpositioning.com</a>
FleetData Pty Ltd <a href="http://www.fleetdata.com.au">www.fleetdata.com.au</a>	Transmax Pty Ltd <a href="http://www.transmax.com.au">www.transmax.com.au</a>
Future Fleet Pty Ltd <a href="http://www.futurefleet.com.au">www.futurefleet.com.au</a>	Trimble <a href="http://www.trimble.com">www.trimble.com</a>
Gap Geophysics Australia Pty Ltd <a href="http://www.gageo.com">www.gageo.com</a>	University of Southern Queensland Faculty of Engineering and Surveying (USQ-FOES) <a href="http://www.usq.edu.au/engsurv/default.htm">www.usq.edu.au/engsurv/default.htm</a>
GPS Online Solutions Pty Ltd <a href="http://www.gpsonline.com.au">www.gpsonline.com.au</a>	Utrak GPS Tracking Systems <a href="http://www.utrak.com.au">www.utrak.com.au</a>
Griffith University Intelligent Control Systems Laboratory (ICSL) <a href="http://www.griffith.edu.au/science/intelligent-control-systems-laboratory">www.griffith.edu.au/science/intelligent-control-systems-laboratory</a>	Vigil Systems Pty Ltd <a href="http://www.vigilsystems.com">www.vigilsystems.com</a>
	V-TOL Aerospace Pty Ltd <a href="http://www.v-tol.com">www.v-tol.com</a>
	XY Mapping <a href="http://www.xymapping.com.au">www.xymapping.com.au</a>



Image courtesy of RiverCity Motorway Group

For further information about Global Navigation Satellite Systems contact Trade Queensland.

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## Global Navigation Satellite Systems



Image courtesy of Leica Geosystems

Queensland industry directory

## Message from the Premier of Queensland



Queensland has a reputation as a technology and research growth hub in the Asia-Pacific region. Continuing to support research leadership is vital for us in developing and applying new innovations and technologies so we can best serve traditional and emerging industries globally.

Global Navigation Satellite Systems (GNSS) is one of the new technologies being developed and improved in Queensland. This brochure provides an overview of the industry's capabilities.

Queensland is becoming internationally recognised for GNSS development. We have a large number of GNSS companies in Australia, and our State is visible to all six global and regional satellite systems. This makes Queensland a prime location to service our region and the world. By way of example Queensland research was responsible for world firsts in GNSS applications for precision agriculture and mining.

We continue to work closely with the European Commission, the European Space Agency and other key stakeholders to open up market opportunities for the GNSS industry into the future. Recently we became the first non-European region to join the European Satellite Navigation Competition, hosting the competition's Australian region. With an area of 1.7 million square kilometres – larger than the combined area of France, Germany, Italy and Spain – Queensland has developed specialist GNSS applications and services for remote areas and cities.

There are also innovative applications that support hundreds of my Government's and private sector projects, including rail, road and public transport, water and power infrastructure, mining and minerals processing, agricultural development, environmental protection and natural resource management.

Frequently, new industry sectors are discovering the benefits and potential of GNSS and my Government departments are both early adopters and developers of the technology. We are actively looking at how we can share the Smart State's knowledge and expertise with others around the world.

I encourage you to partner with Queensland to deliver quality GNSS solutions for the future.

**Anna Bligh MP**  
Premier of Queensland

## Global Navigation **Satellite** System solutions and innovation

Queensland's large land area and decentralised population makes Global Navigation Satellite Systems (GNSS) a very important technology for the State, which is why Queensland has become the leading state in Australia servicing the booming market for GNSS products and services.

Queensland is home to a significant concentration of companies specialised in delivering GNSS solutions for mining, agriculture and infrastructure development. Queensland companies also have a strong reputation for developing GNSS-based solutions for a number of other market sectors including transport, emergency services, environmental protection, spatial information, tourism, defence and security, as well as in the rapidly growing consumer and recreational markets.

At least 40 companies specialising in GNSS-based product development call Queensland home. In addition, several research centres with strengths in GNSS, precise positioning and synergistic research fields such as autonomous vehicles, intelligent transport and intelligent vehicles are located right here in Queensland.

The Queensland Government is a large and innovative user of GNSS and has invested in products and systems for a wide range of government applications. The Queensland Government is also committed to developing world-class infrastructure, with the establishment of the first GNSS reference station network in the southern hemisphere that is capable of delivering centimetre accuracy in real time.

This directory is one of several GNSS industry initiatives implemented by the Queensland Government, which seeks to:

- strengthen Queensland's role as a hub for the GNSS industry in Australia and the Asia-Pacific region
- increase exports of GNSS goods and services from Queensland
- ensure Queensland achieves maximum economic advantage through widespread adoption of GNSS.



### Agriculture

Queensland companies have pioneered GNSS applications for use in the agricultural industry including automated tractor guidance systems and topography mapping.

### Mining

Queensland GNSS company applications have assisted mining companies save millions of dollars through precision guidance and centimetre accurate measurements.

### Construction/Infrastructure

Queensland GNSS technology plays a key role in the efficient delivery of South East Queensland's infrastructure developments worth more than \$107 billion over the next 18 years (2008–2026).

### Unmanned Aerial Vehicles (UAV)

Queensland boasts Australia's only unique major testing area for UAV technologies, which rely heavily on GNSS.

### Transport

Queensland hosts a strong cluster of companies using GNSS technologies focused on driver safety, tracking, monitoring and communication for the transport industry.

### Other

Innovative Queensland companies are at the forefront of developing new, practical uses for GNSS technology across a range of sectors including: health, marine, emergency services and defence.

