



# Queensland Australia

*...the smart choice*

## ***Satellite positioning in Queensland***

The Queensland Government's Department of Natural Resources and Water (NRW) is responsible for the development, administration and maintenance of the geospatial reference frame and positioning infrastructure. The early adoption of Global Navigation Satellite Systems (GNSS) in the definition of the geospatial reference frame has placed NRW as the lead agency in GNSS in Queensland.

NRW has developed world-class knowledge and experience in GNSS and spatial information and has developed numerous Australian partnerships and affiliations.

On behalf of the Queensland Government, NRW:

- has developed the SunPOZ service, which improves spatial accuracy by using a combination of GNSS technology, networked computers and mobile communication systems to deliver centimetre-accurate, real time positions
- provides regular GNSS training for professional associations and major private companies in Queensland and Australia
- develops and implements GNSS standards for Queensland and Australia
- maintains extensive regional operations, deploying geodetic GNSS receivers in surveys across Queensland, a land area of 1.7 million square kilometres (approximately five times the size of Germany).

### ***Australian partnerships***

NRW has built strong relationships with national spatial organisations. It is involved with the geodesy group of the Australian Inter-Governmental Committee on Surveying and Mapping (ICSM) which explores issues such as the recommended practice and legal obligations related to the use of GNSS. NRW is involved in partnership with Geoscience Australia in the AuScope

project which aims to roll out at least 20 new geodetic quality GNSS reference stations throughout Queensland by 2011. The department is a leader in spatial information research and development in collaboration with the Cooperative Research Centre for Spatial Information.

### ***International affiliations***

NRW participates in GNSS globally through its involvement in the International Federation of Surveyors, including a Vice Presidency from 2006 to 2010, and membership of the United Nations' recognised International Committee on GNSS. This enables strong links to all major GNSS system providers including the United States, Russia, European Union, China, India and Japan.

NRW is involved in the International GNSS Service (IGS) through the provision of data from GPS and GLONASS reference stations.

### ***Ideal investment destination***

Queensland's geographic position enables it to provide GNSS coverage and services to the Asia-Pacific region. This position, combined with its export and investment incentives and world-class infrastructure, technology and skills, makes Queensland an ideal investment destination.

### ***Further information***

*Geospatial Technology Applications Centre*  
Department of Natural Resources and Water  
Locked Bag 40  
Coorparoo Delivery Centre  
Brisbane Qld 4151, Australia

Telephone: +61 7 3896 3754  
Facsimile: +61 7 3891 5168

Email: [gnss\\_info@nrw.qld.gov.au](mailto:gnss_info@nrw.qld.gov.au)



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