

# COMPANY OVERVIEW

For more information visit [www.dsqsurvey.com](http://www.dsqsurvey.com)



Following the restructure of the Definium Group in 2016, DSQ Pty Ltd continues to provide expert Land Surveying services throughout Australia.

The DSQ team has vast knowledge and experience in many facets of the Surveying profession which allows us to upsize quickly when projects require the flexibility and additional manpower.

Our experienced team includes Cadastral Surveyors, Graduate Surveyors and Surveying Associates, Survey Assistants, GIS, Drafters, HSSE, Finance and Administration personnel. All employed Surveyors are qualified and registered with various Boards throughout Australia.

## PROFESSIONAL SERVICES

- Cadastral Surveys
- Land Development and Titling
- GIS & Data Management
- Hydrographic Surveys
- Roads, Rail & Pipeline Infrastructure
- Unmanned Aerial Vehicles (UAV) & Mapping
- Laser Scanning
- Engineering Surveys

## MEMBERSHIPS

- The Surveying and Spatial Sciences Institute (SSSI)
- Australian Pipeline & Gas Association (APGA)
- The Urban Design Institute of Australia (UDIA)

## INTEGRATED MANAGEMENT SYSTEMS

DSQ Pty Ltd works to an Integrated Management System (IMS) conforming to International Standards for Quality, Safety and Environmental. Our IMS is thirdparty accredited and audited annually under JAS-ANZ by Global Certification Pty Ltd.

We also hold Plan Examination and Endorsement accreditation with Queensland Department of Resources (DoR).

Quality Assurance: ISO 9001:2015

Safety: ISO 45001:2018

Environmental: ISO 14001:2015



# KEY CONTACTS

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## OUR OFFICE LOCATIONS

### SUNSHINE COAST

26 Premier Circuit  
Warana QLD 4575

### CHINCHILLA

4 Inverai Road  
Chinchilla QLD 4413

### TOOWOOMBA

25/489-491 South Street  
Harristown QLD 4350

### DALBY

6/66 Drayton Street  
Dalby QLD 4405



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## CADASTRAL SURVEYS AND LAND DEVELOPMENT

Cadastral surveys are performed to accurately define property boundaries, strata titling, easements and other interests in land.

DSQ has expert project managers who have a proven track record in assisting with the delivery of land development projects including urban and rural land subdivision, building format (strata) subdivision, exclusive use plans, volumetric subdivision of land and buildings, presales (disclosure) plans, building/construction setout and as-constructed surveys. We can take any sized project from the application stage through to issue of new property titles.

DSQ also performs other cadastral surveys including boundary identification surveys, infrastructure resumption surveys, pipeline easement surveys, land leases, retail lease plans, boundary amalgamation surveys and mining survey plans.

DSQ can perform cadastral surveys in Queensland, New South Wales, Victoria, South Australia and Northern Territory.

### THE EQUIPMENT WE CURRENTLY USE

DSQ utilises Robotic Total Station (RTS), Global Navigation Satellite System (GNSS) and digital levelling survey equipment to perform cadastral surveys in accordance with the approved guidelines and regulations in each State of Australia.



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## ENGINEERING, ROADS, RAIL & INFRASTRUCTURE SURVEYS

DSQ specialises in engineering surveys for roads, rail & infrastructure surveys.

We have extensive experience in providing survey services to the infrastructure sector for the full lifecycle of projects including preliminary investigation and planning, design, construction, operation and decommissioning phases.

### Our Services Include:

- Land tenure advice
- Predesign detail surveys
- Route location and Mapping
- Underground utility services surveys
- Boundary rectification
- Easement and resumption surveys
- GIS corridor mapping
- Aerial photography & videography
- Environmental surveys
- Cultural heritage surveys
- Alignment sheet drawing generation
- Project survey control networks and densification
- Construction setout
- Machine guidance systems
- Pipeline special crossing surveys (road, rail, river crossing design)
- As-constructed surveys
- Mining surveys
- Petroleum Well Location (PWL) surveys
- Volume surveys (stockpile, earthworks cut/fill)
- Conformance and deformation reporting

### THE EQUIPMENT WE CURRENTLY USE

DSQ utilises Robotic Total Station (RTS), Global Navigation Satellite System (GNSS), Digital Levels, Unmanned Aerial Vehicles (UAVs), Laser Scanners and Hydrographic Survey equipment to perform these surveys.

We use AutoCad Civil 3D, 12D Model, MapInfo and Esri ArcGIS software to present spatial data.



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## GIS & SPATIAL DATA MANAGEMENT

Geographic Information Systems (GIS) are utilised by public and private sectors to maintain and analyse geographic information.

DSQ has Surveyors who capture and record spatial data in real world coordinates and GIS experts who format the data to our customers' defined GIS scheme.

### THE EQUIPMENT WE CURRENTLY USE

DSQ utilises Robotic Total Station (RTS), Global Navigation Satellite System (GNSS) and digital levelling survey equipment to capture spatial data. Our GIS experts use Autodesk, Esri ArcGIS and Mapinfo software to maintain and analyse GIS data. Global Mapper is also used to transform data between coordinate systems and software formats.





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## HYDROGRAPHIC AND BATHYMETRIC SURVEYS

Hydrographic and Bathymetric surveys are performed to map the underwater topography and shoreline of lakes, rivers and oceans.

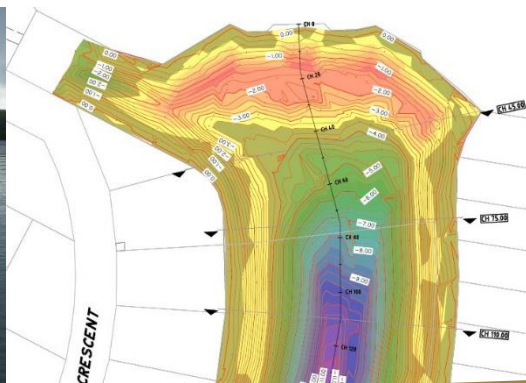
DSQ has expert surveyors with experience in:

- Hydrographic and bathymetric mapping
- Pre & Post dredging clearance surveys
- Channel and entrance surveys
- Beach erosion and monitoring surveys
- Riverbank erosion and stabilisation surveys
- Wharf and channel clearance surveys
- Flood mitigation investigation surveys

### THE EQUIPMENT WE CURRENTLY USE

DSQ utilises Robotic Total Station (RTS), Global Navigation Satellite System (GNSS), Ceeducer echo sounder. We use Hypack software & AutoCad Civil 3D to reduce and present spatial data to perform these surveys.

DSQ has a range of survey vessels to perform hydrographic surveys, depending on the environment and scale of the project. We have a remote control boat, kayak and small punt for lakes and rivers, and 5 metre Osprey boat for inshore and offshore surveys.



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## LASER SCANNING

DSQ has recent expertise in laser scanning, which is another service we offer in the emerging technology of point cloud data.

Laser scanning techniques provide an opportunity for the rapid survey of intricate and inaccessible surfaces, providing a high density 3D scan data and imaging. This method of survey eliminates the need to place surveying personnel in unsafe environments and significantly reduces time performing field survey.

DSQ has expertise in laser scanning for:

- Structures (buildings, bridges, pipework)
- Survey of inaccessible areas (eg. road surfaces, quarry faces, stockpiles)
- Earthworks volumes

### THE EQUIPMENT WE CURRENTLY USE

DSQ utilises the Trimble SX10 scanning total station equipment to perform laser scanning surveys.

We use Trimble Business Centre software to integrate survey data, Trimble RealWorks for point cloud processing and AutoCad Civil 3D to reduce and present spatial data.



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## UNMANNED AERIAL VEHICLES (UAV) & MAPPING SURVEYS

DSQ specialises in Unmanned Aerial Vehicles (UAV) and mapping surveys.

We have extensive experience in aerial mapping for:

- Broadhectare contour and detail mapping
- Route location surveys
- Survey of inaccessible areas (eg. quarry faces, stockpiles)
- Site monitoring
- Earthworks volumes
- Thermography (heat mapping)
- Post disaster inspection, imagery and monitoring
- Industrial inspections
- Coastal monitoring

DSQ holds a CASA remotely piloted aircraft operator's certificate (ReOC) that allows us to fly commercially, fly outside of standard operating conditions and employ remote pilot licence (RePL) holders.

### THE EQUIPMENT WE CURRENTLY USE

DSQ utilises the DJI Phantom 4 UAV along with conventional Robotic Total Station (RTS) and Global Navigation Satellite System (GNSS) survey equipment to perform these surveys.

We use Trimble Stratus, AutoCad Civil 3D, 12D Model, MapInfo and Esri ArcGIS software to reduce and present spatial data.

