

Major Infrastructure Surveying

Established in 1950, Monteath & Powys has developed core specialties in major infrastructure surveys. We have established competitive advantages in precise engineering surveys for construction, monitoring overhead cranes, bulk handling equipment and other materials especially for the coal, alumina, chemical, shipping, rail and road, maritime and defence clients.

In collaboration with clients and related professionals, we focus on achieving client outcomes. These outcomes include interdependent OHS policies and practices, high quality industry specific services, creative solutions and personal attention.

Peter Sherlock is the Director in charge of infrastructure services. He has more than 30 years proven track record in relationship management, project management, industrial and engineering surveys and GPS surveys.

With Peter's leadership and the support of a team of 30 in-house surveyors, we have implemented new survey technologies and audited safety systems that have made our firm the first choice for large NSW infrastructure projects.

Our key personnel are engineering and cadastral surveyors with a proven track record of experience and expertise in completing long term, complex infrastructure projects. Staff are supported by state of the art technology that includes total stations, laser scanners and GPS systems and processes.



Clients

- PWCS - www.pwcs.com.au
- ARTC - www.artc.com.au
- BHP - www.bhpbilliton.com
- Tomago Aluminium Co. - www.tomago.com.au
- NCIG - www.ncig.com.au
- Newcastle Port Corporation - www.newportcorp.com
- RTA - www.rta.nsw.gov.au
- Pasminco - www.pasminco.com.au
- Orica - www.orica.com.au
- RAAF - www.raaf.gov.au
- OneSteel - www.onesteel.com
- Forgacs Shipyards - www.forgacs.com.au
- Engineering Consultants and contractors



Monteath & Powys Pty Ltd

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Property Surveying, Engineering Design, Planning, Project Management

Gunnedah

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Services

- **Topographic Surveys** assist in digital terrain modelling for infrastructure project design used for projects such as the Minimbah Third Rail Track Project that is 40 kilometres long and valued at \$134 million. This project aims at boosting capacity on the congested section of the Hunter Valley rail network and optimising Hunter Valley coal production and exports.
- **Dimensional Control Surveys** provide integrated location and level networks for construction of infrastructure such as railways, roads and pipelines.
- **Geographic Information Systems (GIS)** provide an active database of the geographic location of assets including underground infrastructure services and structures.
- **Construction Set Out Surveys** of buildings, bridges, utilities and industrial plants include clients such as Newcastle Airport, RAAF and Defence contractors.
- **Aerial Mapping Control Surveys** provide precise location of targets and are used to adjust photographic to ground scale for clients such as BHP, Port Waratah Coal Services (PWCS) and the RAAF.
- **Environmental Surveys** are extensively used for remediation and environmental projects to monitor the water table levels for clients such as Hunter Wetlands, BHP and Pasminco.
- **Machine Alignment Surveys** monitor industrial machinery, equipment and structures for clients that include Tomago Aluminium and OneSteel.
- **High Precision Surveys** are utilising robotic techniques to align, measure and model client components, equipment and structures requiring tolerances of up to 0.05mm horizontal and 0.2mm vertical. The Forgacs Group has used these surveys to align propellers and shafts and PWCS to fabricate structures and equipment. 3D Modelling can be used in design and construction of structures, machinery and components.
- **Audit Surveys** are used to verify the conformance of infrastructure projects with the original project design and include projects such as the Dora Creek Wastewater Pipeline for Hunter Water.
- **Bathymetric Surveys** of the seabed for the construction and positioning of bridges, pipelines and navigation channel excavation. Projects include the Tuggerah Lakes tributaries and BHP Channels.



Projects

- PWCS Project 3EXP - Kooragang Terminal Expansion
- ARTC Maitland to Minimbah 3rd Track Alliance
- BHP Billiton Steelworks Remediation Project, Channel Remediation Project
- Tomago Aluminium Co. - On-Call Surveying Services for Operations and Maintenance
- NCIG 3rd Coal Loader Project, Berth Construction Survey, Bathymetric Surveys
- Newcastle Port Corporation – Surveying Services
- RTA - Surveying Services
- Pasminco - Remediation Project
- Orica - On-Call Surveying Services for Operations and Maintenance
- RAAF - Williamtown Base Construction Projects
- OneSteel Mill Alignment and Furnace Replacement Surveys
- Forgacs Shipyards Vessel Alignment and Construction Surveys

Memberships

- Institution of Surveyors (NSW)
- Australian Industry Group
- Hunter Business Chamber
- Surveying and Spatial Sciences Institute

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