

CAPABILITY STATEMENT

1. Contact Details

Company Name: SEAM SURVEYS PTY LTD

Business Address: 6 FULMAR CRESCENT,
BANKSIA BEACH QLD 4507

Mailing Address: PO BOX 1146,
BONGAREE QLD 4507

Main Contacts: Michael Harris - Director & Registered Surveyor
Matt Burke – Survey Manager (Open Cut & Exploration)
Mario Fantin – Survey Manager (Underground Metals)
Duncan MacDougal – Survey Manager (Underground Coal)
Callum Gardner – Survey Manager Construction
Tracy Harris – Chief Financial Officer
Stacey Menso – Senior Administration Officer

Phone: 07 34082735

Email: admin@seamsurveys.com.au

Web address: www.seamsurveys.com.au

Year established: 2010

ABN: 88 151 747 170

ACN: 151 747 170

2. Capability Information

Main Business Activities and Industries Served

Seam Surveys is Professional Engineering and Mine Surveying Company. We service the Mining, Oil & Gas and Construction Industries:

- Registered Mine Surveyors (All States & NZ)
- Engineering/ Construction Surveyors
- EPCM & Quality Control Surveyors
- Infrastructure Surveys for Coal Seam Gas (including both Surface and Underground In Seam drilling)
- Open-Cut & Underground Coal Mine Surveyors
- Geodetic Control Surveys
- Gyroscope Orientation Surveys – Mining, Tunnelling & Defence
- Exploration and Seismic Surveys

Products and Services

- Drafting Services for Construction As-Builts & Statutory Mining / Petroleum & Gas Plans
- Provision of Statutory Compliant Life of Mine Survey control for Mines and also Construction Projects
- Professional Mining & Engineering Surveyors & Equipment
- Bathymetric Surveys Mine Dams & waterways (remote control boat)
- Aerial Mapping (RPAS/ Fixed Wing UAV)
- Training & Supervision of Mine Surveyors for Registration
- Drafting of Mine Survey Management Plans & Procedures
- Drafting Services for Construction As-Builts & Statutory Mining / Petroleum & Gas Plans

Equipment & Software

- Leica GPS, Total Stations & Precise Digital Levels
- Trimble GPS & Total Stations
- DMT Gyromat 3000 – Precision Gyrocope Theodolite
- Software: AutoCAD Civil 3D, 12D Model, Leica Geo Office & Compnet Least Squares
- Staff highly competent with Vulcan & Surpac Software
- Mine / Pet & Gas Compliant 4WD Vehicles
- Mine Site Complaint All Terrain Vehicles (ATV)
- Precision Laser Scanning (Leica C10 Laser Scanner)
- Unmanned Aerial Vehicle (UAV) – Aerial Mapping
- Satellite Phones for remote work
- Bathymetric Surveys (Using Remote Control Survey Boat)



Key Staff

Michael Harris - Registered Engineering & Mining Surveyor (23 years exp)
Mario Fantin - Survey Manager & Registered Mining Surveyor (30 yrs exp)
Duncan Macdougall – Survey Manager & Registered Mining Surveyor (10 yrs exp)
Matthew Burke – Survey Manager (12 yrs exp)

Amanda Williamson – Mining Surveyor – (6 years exp)
Andrew Blinco – Registered Mining Surveyor (25 yrs exp)
Brendan Jones - Mining Surveyor (8 yrs exp)
Callum Gardner – Lead Project & Construction Surveyor (8 yrs exp)
Chris Herbig – Mining & Engineering Surveyor (5 yrs exp)
Dale Alswang – Mining Surveyor (5 yrs exp)
Darcy Dumont – **Mining Surveyor (5 years exp)**
Jacinta McArdle – Mining & Engineering Surveyor (6 years exp)
James Banner – Lead Engineering Surveyor (20 yrs exp)
Lee Morse – Engineering Surveyor – (4 years exp)
Luke Miller – Mining & Engineering Surveyor (8 yrs exp)
Mark Brouwer – Registered Mining Surveyor NSW & QLD (20 yrs exp)
Peter Edgar - Registered Mining Surveyor (25 yrs exp)
Peter McDonald - Registered Mining Surveyor (20 yrs exp)
Robert Zahra –Mining Surveyor (32 yrs exp)
Rod Emery – Registered Surveyor - Senior Mining Surveyor (19 yrs exp)
Ross Haxton – Registered Surveyor - Senior Mining Surveyor (27 yrs exp)

Specialised Capabilities

- Statutory Compliance - Registered Mining Surveyors certified QLD, NSW, WA & NZ
- Registered Engineering Surveyors – certification of as built
- Specialists at Surface & Underground Laser Scanning for Infrastructure, Clash Detection & Geotechnical Monitoring
- Gyroscope Orientation Surveys
- UAV Surveys – Aerial Mapping and Orthophotos
- Bathymetric Surveys using Remote controlled boat (no men on water for safety)

Training and Skills

Qualified & Registered Surveyors
Risk Assessment Facilitators (G2)
Standard 11 Mining Induction
Appointed Supervisors (S1,S2,S3)
Laser Safety Training
Training in all Surveying Software & Equipment

Capacity

Staffing: 21 Staff Surveyors & 6 sub contract surveyors

Value of Project Works Undertaken: \$2,500 to \$5,000,000



Area of Operation: All States of Australia and New Zealand.

Head Office: Brisbane

Regional Offices: Singleton, Moranbah, Mackay and Capella.

3. Track Record

Leading Projects Completed

- Grosvenor Mine Construction Project: EPCM Surveyors, Engineering Surveyors & Registered Mine Surveyors
- Eagle Downs Mine Construction Project: EPCM Surveyors, Engineering Surveyors & Registered Mine Surveyors
- Oaky North Mine: Registered Surveyor & Exploration Surveyors
- AngloAmerican Seam Gas: Gas Line Route Survey and Installation Survey
- Ulan West Mine Project: Registered Mine Surveyor & Mining Surveyors
- Narrabri Coal: Registered Mine Surveyor & Mining Surveyors
- Moranbah North Mine: Registered Mine Surveyor & Mining Surveyors
- Millennium Mine: Registered Mine Surveyor & Mining Surveyors
- Vale Exploration: Registered Surveyor & Exploration Surveyors
- AngloAmerican Exploration: Exploration & Seismic Surveyors
- Oaky Creek Engineering: Survey for all conveyor installations
- Curragh Mine – Contract for Statutory & Mine Surveyors
- Clermont Coal Mine – Contract for Statutory & Mine Surveyors
- Moorvale – Contract for Mine Surveyors
- Lake Vermont - Contract for Mine Surveyors

Major Clients:

- | | |
|--|---------------------|
| ➤ Anglo American | ➤ Thiess |
| ➤ Glencore-Xstrata | ➤ Vale |
| ➤ Arrow Energy | ➤ Whitehaven Coal |
| ➤ BHP Billiton Mitsubishi Alliance (BMA) | ➤ Hatch Engineering |
| ➤ DownerEDI | ➤ Peabody Energy |

Delivery performance and reliability:

We are dedicated to building long term working relationships with mining and contracting companies by supplying only **quality and experienced survey staff**.

4. Management Systems

Safety, Environment and Quality Management Systems:

Proudly, we have had **nil reportable injuries (RIs)** during our companies' operations to date. We are safety focused as reflected in this excellent safety statistic. We are familiar with risk assessment tools and our surveyors use these as part of the everyday work life.

All our surveyors are experienced with (and any new employees will be trained in) using the SLAM books (Stop Look Assess Manage) or the site equivalent prior to conducting survey tasks.

Our employees operate under the client's environmental and safety management systems and are committed to minimise harmful impacts on the environment. This includes compliance with site waste management procedures.

We operate under our internal Quality Policy and Survey Standards mapped to state and national standards.

Compliance to client's HES procedures and our company Code of Conduct forms part of our employees' terms and conditions of employment.

Insurances:

Professional Indemnity \$10,000,000

Business and Public Liability Insurance \$20,000,000

Workers Compensation

Commercial Motor Vehicle Insurance.

5. Working with Industry and Others

➤ **Australian Institute of Mine Surveyors (AIMS):**

Michael Harris - National President

Mario Fantin - Director

➤ **Surveyors Board of Queensland:**

Michael Harris - SBQ Mining Assessor

➤ **Board of Surveying and Spatial Information of NSW:**

Mario Fantin – BOSSI Mining Assessor