



SMS GEOTECHNICAL PTY LTD

# CAPABILITY STATEMENT

2023

[www.smsgeotechnical.com.au](http://www.smsgeotechnical.com.au)

**SMS**  
GEOTECHNICAL  
*Quality in Construction*

# LEADERSHIP



**Darren Shotton**  
Founder / Director  
Strategic Finance and  
Quality



**Callum Smith**  
Founder / Director  
Services and  
Infrastructure



**Damien Mashford**  
Founder / Director  
Technical and Training



**Alan Gilland**  
Director Eyre Peninsula

# MANAGEMENT TEAM

**Matthew Hulmes**

Manager Business  
Operations

**Mick Sheppard**

Manager Quality

**Luke Garcia**

Manager Laboratories  
and Business  
Development

**Simon Nelson**

Manager Specialty  
Testing

**Matthew Brown**

Manager Laboratory -  
Port Lincoln

**Andrew Lehne**

Manager Laboratory -  
Whyalla

**Ronny Talavera**

Manager Laboratory -  
Alice Springs

**Luke Bonser**

Manager Annex  
Laboratories



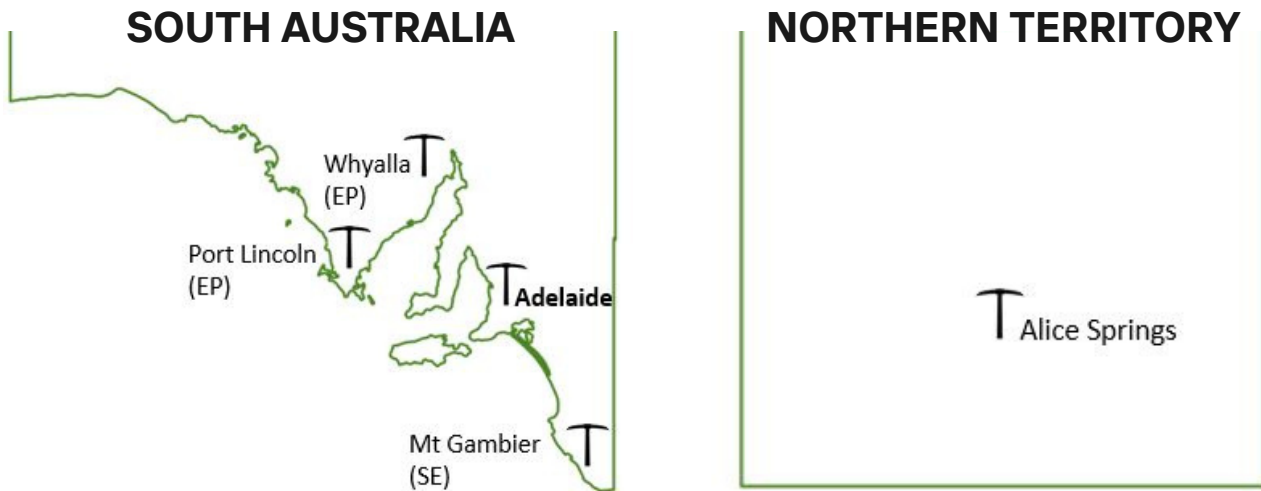
## **ABOUT SMS GEOTECHNICAL**

SMS Geotechnical is an independent NATA accredited testing organisation with laboratories situated throughout South Australia and the Northern Territory.

We provide materials testing services to the civil, mining and construction industries, as well as drilling operations to service pavement, geotechnical and environmental investigations, lot classifications and assessments and the installation and decommissioning of environmental monitoring wells.

SMS Geotechnical also offer technical seminars to our clients to support the transition of graduate and junior engineers, scientists and soil technicians into the soil quality and assurance industry.

# CONTACTS AND LOCATIONS



## LOCATIONS

SMS Geotechnical has testing laboratories throughout South Australia and the Northern Territory. With laboratories situated throughout regional areas we are well positioned to support the delivery of key infrastructure projects throughout the country.

Our head office and home to our executive and corporate team is based in Adelaide and supports the delivery of key services and operating programs across all operating locations.

## CONTACTS

### ADELAIDE

08 8258 7498

### ALICE SPRINGS

08 8952 7088

### PORT LINCOLN

08 8682 1227

### MOUNT GAMBIER

08 8273 6810

### WHYALLA

08 7077 7574



# CLIENT SERVICES

01

LABORATORY  
TESTING



02

FIELD  
ASSESSMENTS



03

DRILLING  
OPERATIONS



04

EDUCATION  
SERVICES



## END TO END SERVICE OFFERING

SMS Geotechnical offers an end to end integrated service for our clients, from site investigations and specialty testing to construction phase onsite support and assurance testing as well as technical upskilling and training.

Our services are backed by our commitment to deliver **Quality in Construction**, supported by the knowledge and highly skilled members of our founding executive team.

We also know our people are our greatest asset and that is why we strive to be **Leaders in Safety**. We are committed to continuously improving safe behaviors and safe systems of work across our operations.

# LABORATORY TESTING

## SOILS, AGGREGATES AND CONCRETE



### ACCREDITED TEST METHODS

- Laboratory Compaction Test
- Atterberg Limits
- California Bearing Ratio
- Particle Size Distribution
- Los Angeles Abrasion
- Shrink/ Swell Index
- UCS of Soils
- Concrete Slump and Compression Test
- Road Pavement Surfacing Characteristics
- Liquid Limit Tests
- Soil Dispersion Tests
- Manual Soil and Aggregate Classification
- Sieve Analysis
- Aggregate Soundness
- Soil Permeability Test
- Soil Thermal Conductivity Test

### DELIVERING QUALITY IN CONSTRUCTION

Each of our laboratories are NATA accredited to perform standard soil, aggregate and concrete testing methodologies. If one of our Labs are not accredited to perform a particular test we can arrange for your testing needs to be delivered at one of our many testing locations.

The scope of our accreditations are assessed in alignment with ISO/IEC 17025 (2017)

# FIELD ASSESSMENTS

## INSITU TESTING, SAMPLING AND SUPERVISION



### FIELD TEST METHODS

- Level one supervision
- Onsite Nuclear Density Testing
- Dynamic Cone Penetrometer Testing
- Plate Load Testing
- Concrete Sampling and Slump Testing
- Insitu and Stockpile Soil Sampling
- Quarry Sampling and testing for quality control requirements
- ITP Preparation and completion
- Environmental Sampling
- Compaction Control Testing
- Bulk Earthworks Supervision
- Annex Lab establishment
- Remote and isolated works

### DELIVERING QUALITY AND SAFETY LEADERSHIP

We provide a comprehensive service for all your onsite geotechnical requirements. Our field technicians are experienced in local soil profiles and conditions and we take pride in being able to give our clients accurate indications onsite, at the time of initial field testing.

Our field technicians are supported by our robust Safety Management System and Core Safety Expectations. All our technicians are equipped with our Employee App on their phones, to assist in undertaking real time risk assessments and reporting plus providing access to both Quality and Safety support materials.

# DRILLING OPERATIONS

## CIVIL, GEOTECHNICAL AND ENVIRONMENTAL DRILLING



### ROCKMASTER

- Soil Sampling
- Solid Auger Drilling to 10m
- Groundwater Monitoring wells to 10m with 100mm augers
- Environmental and geotechnical push tube sampling to 10m
- DCP Testing
- Concrete and asphalt coring



### DRILLMAN GT20

- Soil Sampling
- Hollow Auger Drilling to 15m
- Solid Auger Drilling to 30m
- SPT (Standard Penetration Test)
- Environmental and Geotechnical Direct Push Tube Technique
- Monitoring Well installations
- DCP Testing

## DELIVERING QUALITY AND SAFETY LEADERSHIP

Utilising 4WD mounted rigs means that our operations are versatile and can access most locations including tight access sites.

Our driller's have extensive experience in;

- Pavement, geotechnical and environmental investigations
- Lot classifications and assessments
- Installation and decommissioning of monitoring wells.

Our rigs are stationed throughout South Australia so we can mobilise to your site quickly. Our drill rig service is available anywhere from remote, outback locations to local metropolitan projects.



# EDUCATION SERVICES

## TECHNICAL SEMINARS



### **Seminar 1**

Geotechnical Investigations - Pre Construction Phase.



### **Seminar 2**

Soil Descriptions - Technical hands on experience with soils.

### **Seminar 3**

Introduction to Soil Testing Methodologies - Civil Construction Phase

## **ABOUT OUR SEMINARS**

With three core seminars on offer SMS Geotechnical can customise each program to your business needs.

Each seminar is designed to deliver a unique hands on training experience at our laboratory facilities.

We guarantee a highly skilled technical facilitator with NATA technical experience.



# LICENCES AND CERTIFICATIONS

SMS Geotechnical are accredited to perform specialty tests in accordance with NATA requirements.

## ACCREDITATION

ADELAIDE	PORT LINCOLN	ALICE SPRINGS	WHYALLA	MT GAMBIER
Accreditation Number 19225	Accreditation Number 20009	Accreditation Number 20441	Accreditation Number 20009	Accreditation Number 20722
Site Number 21812	Site Number 23489	Site Number 19843	Site Number 25013	Site Number 24868
ISO 17025 Infrastructure and Asset Integrity	ISO 17025 Infrastructure and Asset Integrity	ISO 17025 Infrastructure and Asset Integrity	ISO 17025 Infrastructure and Asset Integrity	ISO 17025 Infrastructure and Asset Integrity

To download our Scope of Accreditation for each of our operating locations please visit our website by scanning the QR code.



## LICENCES

SMS Geotechnical holds Radiation Licenses through each states relevant authorities to store, transport and use radioactive devices in order to undertake nuclear density testing.

SMS Geotechnical is also a member of the Civil Contractors Federation and the the IQA.

## INSURANCES

**PUBLIC LIABILITY**  
\$20,000,000

**PROFESSIONAL INDEMNITY**  
\$1,000,000

**WORKCOVER**  
Return to Work SA

# CONTACT US FOR FURTHER INQUIRIES



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08 8258 7498

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