



TAILINGS. WATER. WASTE.

GEOTECHNICAL INVESTIGATION SPECIALISTS

ATC Williams' practical approach to Ground Investigation ensures appropriate levels of investigation are undertaken with experienced senior professionals engaged from concept to completion.

Our specialists provide complete geotechnical investigation, testing, instrument installation and design services to the civil construction, infrastructure, and resource sectors. We take pride in the quality of our work and our quick turnaround.



COMPREHENSIVE SOLUTIONS

Prepare your projects for success with innovative and quality investigation solutions.

- ✓ GEOTECHNICAL DRILLING
- ✓ TEST PITTING
- ✓ CONE PENETRATION TESTING (STANDARD AND SEISMIC)
- ✓ SEISMIC CONE
- ✓ DILATOMETER TESTING
- ✓ HAND AUGER BORING
- ✓ VANE SHEAR TESTING
- ✓ GEOLOGICAL MAPPING
- ✓ 3D GEOLOGICAL MODELLING



COMPREHENSIVE GEOTECHNICAL EXPERTISE

ATC Williams utilises a team of highly skilled engineers and geologists to investigate and prepare your project for design.

We deliver maximum value for the client by negotiating with geotechnical drilling contractors to modify drilling techniques and optimise the drilling program.

Geotechnical investigation methods are selected based on several factors, including the expected site conditions, the need for in-situ testing, the requirements for monitoring instrument installation and specific project needs.

Clients are well-informed throughout the investigation process and we provide regular progress updates.

Our geotechnical engineers have a fluent understanding of design language to facilitate accurate and timely turnarounds.

SERVICE AREA BENEFITS

Our in-house NATA-accredited laboratory specialises in testing for mine tailings and soft soil characteristics and has long-standing commercial relationships with other reputable laboratories

All laboratory testing is conducted in accordance with AS1289, and assessment-specific standards are adopted where required

Experienced professionals conduct field investigations and lithological descriptions in accordance with AS1726 to ensure accurate and reliable geological assessments that serve to reduce project risks

Our accumulated knowledge is combined with sound soil and rock mechanics principles for accurate assessment and interpretation

We ensure cost-effective and safe design through accurate assessment of geotechnical conditions, avoiding the expense of over-engineering based on worst-case scenarios

TYPICAL SITU TESTS UNDERTAKEN DURING OUR INVESTIGATIONS

- Standard Penetration Test (SPT)
- Piezocone Penetration Test and interpretation (CPTU)
- Seismic Cone Penetration Testing and interpretation (SCPT)
- Dilatometer Marchetti Test (DMT)
- Dynamic Cone Penetration (or Perth Sand Penetrometer) (DCP)
- Constant and Variable Head Permeability
- Shear Vane Testing
- Soil and rock sampling
- Specialised laboratory testing



MELBOURNE

YUQI TAN
Geotechnical Investigation
Lead / Senior Associate
t +61 3 8587 0900
e YuqiT@atcwilliams.com.au



BRISBANE

**CHARLIE STRICK VAN
LINSCHOTEN**
Principal Engineer
t +61 7 3352 7222
e CharlieS@atcwilliams.com.au



BRISBANE

ROBIN TROUNCE
Experienced Engineering
Geologist
t +61 7 3352 7222
e RobinT@atcwilliams.com.au



PERTH

COLIN JENNER
Associate Engineer
t +61 8 9213 1600
e ColinJ@atcwilliams.com.au



NEWCASTLE

GLEN BURTON
Newcastle Office Manager
/ Principal Engineer
t +61 2 9169 2900
e GlenB@atcwilliams.com.au



atcwilliams.com