

Capability Statement

29 Jul 2019

CIVILTEST PTY. LTD.

INDUSTRIES SERVED

CLEAN ENERGY

CONSTRUCTION &
ENGINEERING

MINING

OIL, GAS & ENERGY

WATER

Company Details

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ICN Gateway Company ID: 93249

Employees: 70

ABN: 91 006 855 689

Locations: 4

NT CAL Accredited: No

Works in Remote Locations: Yes

Contacts

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Civiltest is one of Australia's most trusted providers of geotechnical consulting and testing services. We take on every challenge and find the most efficient and cost-effective solution.

The Civiltest team specialises in identifying opportunities for value-added service and constantly exceeds customer expectations.

Summary

Civiltest provides high quality geotechnical consulting and testing services for civil engineering projects throughout Australia.

Our state-of-the-art, NATA accredited laboratories are located throughout Victoria, in Mornington, Mitcham, Mildura and Wodonga. We also provide annex geotechnical

laboratories to service large scale civil and mining construction projects with onsite testing in remote locations.

Civiltest's industry specialisations include commercial, residential and non-residential, pavement and civil construction, mining and renewable energy.

Description

With more than 30 years' vast experience in professional geotechnical consultancy, construction materials and soil testing, Civiltest has the expertise you need. We deliver our high quality services for demanding civil engineering projects across Australia.

Our team has significant project management expertise and is able to take your project seamlessly from feasibility and initial investigations to final completion. Services include commercial, residential and non-residential, pavement and civil construction, mining and renewable energy.

Civiltest's geotechnical engineers are highly qualified and chartered with many years' experience working with a broad cross-section of Australian businesses, large and small. Our friendly, efficient team is focused on meeting your needs and exceeding expectations. We take the time to build quality personal relationships.

Civiltest's state-of-the-art laboratories, systems and processes are all NATA accredited, ensuring compliance to the highest industry standards. We specialise in large scale civil and mining construction projects with our onsite geotechnical laboratories.

We also offer one of the largest concrete testing teams in Victoria, operating throughout the Melbourne CBD and suburbs.

Through our NATA accredited laboratories in Mornington, Mitcham, Mildura and Wodonga, we Civiltest offer our clients a wide range of soil and concrete tests including:

- AS1289, Soil Testing For Engineering Purposes
- AS1012 Making And Curing Concrete Specimens
- AS3798 Guide Lines On Earthworks For Residential and Commercial

Developments AS2870 Residential Slabs and Footings
· AS1726 Site Investigation Code, VicRoads Test Methods and Codes of Practice MainRoads (NSW) Test Methods and Codes of Practice

Civiltest's project experience includes;

COMMERCIAL AND NON RESIDENTIAL

- Harvey Norman Homemaker Centre - SPRINGVALE
- RACV Cape Schanck Resort - CAP SCHANK
- Bunnings Warehouse - EPPING

GEOTECHNICAL CONSULTING

- Oliver's Hill landslide study and inclinometer monitoring - FRANKSTON SOUTH
- Erosion Management Overlay and slope stability investigation - LOCAL COUNCILS
- Redevelopment Project, State Library Victoria - MELBOURNE

FIELD AND LABORATORY

- Wentworth-Broken Hill Pipeline - BROKEN HILL
- Sunraysia Solar Farm - BALRANALD
- Limondale Solar Farm - BALRANALD

RESIDENTIAL

- Peninsula Grange Retirement Village - MORNINGTON
- Casey Green Development NARRE WARREN

- Rivervue Retirement Village - AVONDALE HEIGHTS

MINING

- Atlas Campaspe Mine, Bell Reynolds - Cristal Mining Limited - MURRAY BASIN, NSW
- Airstrip, Plant Area and Accommodation Village, Tropicana Mine - KALGOORLIE, WA (WATPAC CIVIL & MINING PTY LTD for ANGLOGOLD ASHANTI LTD / INDEPENDENCE GROUP NL)

PAVEMENT & CIVIL CONSTRUCTION

- Stages 6 & 7 - BASS HIGHWAY
- Bypass construction - HALLAM and PAKENHAM
- Telecommunication tower upgrades (3G, 4G & NBN) - AUSTRALIA WIDE

SPORTS FIELD

- AGCSA Tech - Quality control testing for major golf and stadium development projects throughout Australia
- Sandbelt Industries (VIC) Pty Ltd - Testing of construction sands and topdressing materials
- Burdett's Sand, Soil & Stone - Material testing and quality control of sand products used for numerous local sports ovals and recreation centres

RENEWABLE

- Broken Hill Solar Farm
- Sunraysia Solar Farm

Associations

- > Geotechnical Society of Australia
- > National Association of Testing Authorities
- > Australian Drilling Industry Association
- > Engineers Australia

Major Clients

- > Iluka
- > Perilya
- > Ertech
- > Brierty
- > Fulton Hogan
- > Watpac
- > John Holland
- > Boral Resources
- > Fulton Hogan
- > Leighton
- > BMD
- > Comdain
- > Zinfra
- > AGL
- > Visionstream
- > Boulderstone
- > Downer
- > Hanson Construction Materials
- > & many others

Industries Served

- > Clean Energy
- > Construction & Engineering
- > Mining
- > Oil, Gas & Energy
- > Water

Accreditations

- > Accreditation as a Recognised Testing Authority
- > National Association of Testing Authorities

Other Accreditations

- > ISO 17025

Products & Services

> COMMERCIAL AND NON RESIDENTIAL

- > Site classification and investigation
- > Subgrade preparation and improvement recommendations
- > Footing exposure, depth and bearing assessment
- > Standard Penetration Test (SPT)
- > Small track mounted rig (Bumblebee)
- > All terrain rig with SPT capacity
- > Concrete corer
- > Portable rock corer

> GEOTECHNICAL CONSULTING

- > Slide slope modelling and Inclinometer slope movement monitoring
 - > Mine subsidence desktop studies and risk assessment for residential developments
 - > Distressed building investigation and VCAT expert witness
 - > Bearing capacity recommendations
 - > Retaining wall design parameters
 - > Soil Shrink-Swell Testing
 - > Farm Dam Construction investigation
 - > Crane Pad and Piling Rig Platform assessment
 - > Land Capability Assessment
 - > Percolation / Saturated Hydraulic Conductivity test
 - > Lightweight Deflectometer (LWD) - Dynamic Plate Load Test
 - > Small Track Mounted Rig
- ### > FIELD AND LABORATORY
- > Geotechnical investigations
 - > Pavement investigation and design
 - > Distressed structure investigations
 - > Compaction testing
 - > Concrete testing

- > Asphalt testing
 - > Material quality testing
 - > Point load testing
 - > Permeability/Triaxial testing
 - > Plate load testing
 - > SPT/DCP/PSP testing
 - > Light weight deflectometer testing
 - > Deflection surveys
 - > Field electrical resistivity testing
 - > Thermal resistivity testing
 - > Bearing capacity assessments
 - > Proof roll assessments
 - > Piling and pier boring assessments
 - > Thrust and pipeline bearing assessments
 - > Rock excavation assessments
 - > Trench stability assessments
 - > Undisturbed sampling
- ### > RESIDENTIAL
- > Land Capability Assessments
 - > Site Classification
 - > Specialised drilling rigs for deep drilling requirements
 - > State-of-the-art equipment
- ### > MINING
- > Small to large scale annex laboratories
 - > Complex geotechnical investigations
 - > Soils material quality testing
 - > Aggregate testing
 - > Compaction control testing
 - > Concrete, mortar and grout testing
 - > Asphalt testing
 - > Field testing
- ### > PAVEMENT & CIVIL CONSTRUCTION
- > Pavement investigation and mechanistic thickness design (in accordance with AUSTRROADS, GAA, and RMS)
 - > Distressed pavement investigation

- > Residential subdivision pavement investigation and design
- > Sports court pavement investigation and thickness design
- > Civil construction investigation
- > Dynamic Cone Penetrometer (DCP)
- > All-terrain rig with SPT capacity
- > Light Weight Deflectometer (LWD) to assess soil modulus
- > Circlly 7.0
- > SPORTS FIELD
- > Rootzone/ Turf Sand Testing, NATA accredited Sand & Aggregate testing
- > Saturated hydraulic conductivity
- > 150mm 16/32 drop compaction
- > Suction field capacity
- > Dry bulk density determinations
- > 1:5 Aqueous solution
- > Moisture release curve
- > Bunker sand assessment
- > Particle shape & roundness microscopy
- > Organic impurities other than sugar
- > Civiltest use a combination of USGA, ASTM, Australian test methods, with consultation from well-respected senior and local agronomists, to deliver appropriate and effective testing services to meet our clients' needs.
- > RENEWABLE
- > Complex geotechnical field investigations and laboratory testing
- > Thermal resistivity testing (NATA accredited to ASTM D5334-14)
- > Long range field electrical resistivity testing
- > Complete geotechnical site testing throughout construction, including Level 1 compaction control and onsite annex laboratories
- > Light weight deflectometer surveys to ASTM methods
- > Plate load testing to ASTM methods
- > Pile pull out testing in accordance with various international test methods
- > Specialised field and laboratory testing for power stations and substations

Facilities and Equipment

- > NATA accredited laboratories, systems and processes to ensure compliance to the highest industry standards
- > Fully equipped annex laboratories capable of providing a diverse and comprehensive range of onsite testing services
- > Comprehensive range of specialised testing equipment and the most capable and qualified staff team
- > Complex geotechnical investigations, including core sampling and SPT capabilities
- > Specialised geotechnical testing, including Percolation / Saturated Hydraulic Conductivity Test for soak pit design, Distressed Building Investigation, Slope Stability Assessment and Land Capability Assessment
- > USGA, ASTM and Australian test methods, with consultation from well-respected senior and local agronomists, to deliver appropriate and effective testing services to meet our clients' needs
- > Site classification and investigation for factories, shopping centres, warehouses, service stations, school buildings, sports facility development
- > Specialised equipment including an All-Terrain Truck with Mounted Rig offering STP capacity and a small Track Mounted Rig for tests in small, hard to access areas
- > Manage inspection and test plans as well as implement cloud-based and offline client interactive geotechnical test management systems
- > Streamline processes to provide cost effective and efficient ways for clients to achieve each project's QA requirements.

Previous Significant Projects

2019

Balranald Substation and Transmission Line
\$200,000

Client: Downer Utilities Australia

Pre-construction geotechnical investigations and construction testing throughout the project.

2019

HW22 Silver City Highway, Packsaddle Creek Bridge
\$100,000

Client: VEC Civil Engineering

Construction testing throughout the project to completion.

2019

Regional Bridge Upgrades and Lobethal Freight Route Upgrade (South Australia)
\$100,000

Client: McConnell Dowell Constructors

Provision of construction testing still ongoing.

2019

Wentworth to Broken Hill Pipeline
\$1,000,000

Client: John Holland/MPC Joint Venture

Pre project: Geotechnical investigations, consultancy and testing

Construction: Provision of a comprehensive range of geotechnical investigations, consultancy, material quality testing, compaction control testing and concrete testing services. The project spanned nearly 300kms with up to 10 different work fronts simultaneously, 7 days a week for approx 12 months.

2019

Fairways Estate and Mildura Golf Resort
\$200,000

Client: Mildura Golf Developments

Pre-construction geotechnical investigations, Level 1 Geotechnical Inspection and Testing Authority throughout the project.

2019

Portia Mine
\$200,000

Client: CONSOLIDATED PLANT & QUARRIES PTY LTD for Havilah Resources

Access roads, infrastructure and processing plants, South Australia.

2019

Weilong Winery
\$300,000

Client: Weilong Wines Australia

Comprehensive geotechnical investigations and construction testing from prior to completion.

2017

GMW Connections
\$500,000

Client: Comdain Infrastructure

Onsite geotechnical laboratory and associated services for regulators, pump structures and other associated works.

2017

Sturt Highway Jeraly Stage 3
\$200,000

Client: Roads & Maritime Services

Onsite geotechnical laboratory and associated services for the reconstruction of Jeraly Stage 3 section of Sturt Highway between Balranald and Hay NSW.

2016

Silver City HWY Initial Seal
\$200,000

Client: Roads & Maritime Services

Onsite geotechnical laboratory and associated services for the Euriowie Section Initial Seal Contract, north of Broken Hill.

2014

FMG T155 Expansion project
\$1,500,000

Client: Brierty

Onsite geotechnical laboratory and associated services - Rail upgrade, turnouts, passing loops, loading areas, saline ponds, access roads, plant pads and other associated works.

2010

Kulwin Mine
\$1,500,000

Client: ILUKA RESOURCES LTD

Haul Roads & Plant Construction, Victoria.

2015

Roy Hill
\$1,500,000

Client: Ertech

Onsite geotechnical laboratory and associated services - Port Access Roads, Tailings Dams, Plant Pads, Bio Facilities, Drainage Works, Power Sub Station and other associated works.

2012

Tropicana Mine
\$500,000

**Client: WATPAC CIVIL & MINING PTY LTD for
ANGLOGOLD ASHANTI LTD / INDEPENDENCE
GROUP**

Airstrip, Plant Area and Accommodation Village, Western Australia.

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