



Intrax

LAND



Capability Statement

A white truck with a crane on a flatbed trailer is parked in a field at sunset. The sun is low on the horizon, creating a golden glow. Two people are standing in the distance. The sky is blue with scattered clouds. A white geometric shape is overlaid on the top left of the image.

Driven by **purpose**, guided by **vision**.

The commitment to our clients is to provide innovative end to end engineering and consulting solutions while inspiring them and our employees to grow, create and lead the built environment across Australia.

Barry Borzillo

Barry Borzillo
CEO/MD Intrax Consulting Group

About Intrax

Intrax is a national, multi-discipline professional services firm providing optimised, on-time services across multiple market sectors that contribute positively to clients and communities.

We provide our services to the volume housing, medium density, apartment, commercial, industrial, insurance, infrastructure, education and government sectors.

We offer a full range of engineering and field services that include: Geotechnical, Survey, Structural, Civil, Building Services engineering and Forensic/Remedial.

Established in 2003 as a values led business, our 300+ Australian team members operate from every mainland state and are supported by our 200+ employees in China, Indonesia and Vietnam.

Our values of **performance, respect, innovation, leadership** and understanding drive our employees' behaviour and also serves as our committed way of working with our clients.

Our four divisions collaborate seamlessly, combining expertise across engineering, surveying and geotechnical services to deliver innovative solutions.

2003

Established

500+

Team of experts

6

Offices nationwide





Intrax Land provides innovative engineering and surveying solutions for a number of sectors across the built environment in Australia.

Our competitive edge stems from a multidisciplinary approach, enabling our team to collaborate seamlessly across engineering disciplines in order to deliver coordinated, cost-effective solutions. We provide a single point of contact and coordination, while our surveyors, geotechnical engineers, and civil engineers work with clients to deliver projects that are on time and cost-effective.

We employ leading-edge technologies—such as GIS mapping, 3D laser scanning and advanced geotechnical analysis—to enhance the quality and cost-effectiveness of our work. Our in-house NATA accredited laboratory provides comprehensive material testing, delivering reliable, timely data to support informed decision-making. With a robust national presence, we mobilise swiftly, offering consistent, expert solutions to clients in metropolitan hubs and the most remote regions of Australia.

Intrax Land handles a diverse range of projects across various sectors:

- › Residential
- › Commercial and High-Rise
- › Industrial
- › Utilities and Energy
- › Infrastructure
- › Landfill and Quarries
- › Public and Community
- › Defence
- › Land Development
- › Transport
- › Marine
- › Environment and Conservation
- › Recreational and Amusement

Our Disciplines

Intrax Land provides innovative engineering and surveying solutions for a number of sectors across the built environment in Australia.



Pile inspections Melbourne airport terminal 3 upgrade

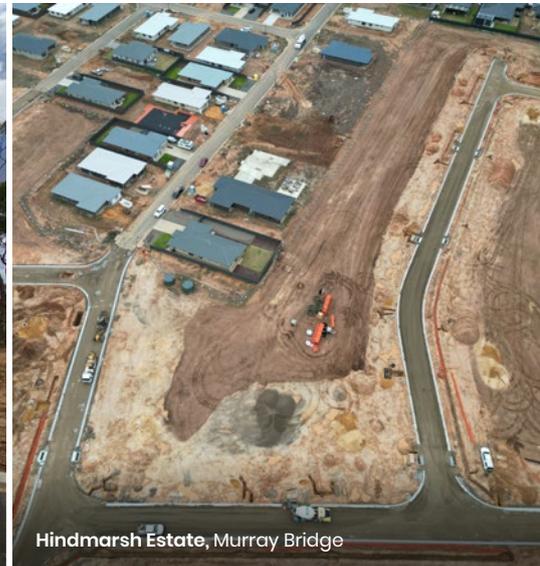
Sectors

With extensive experience across a diverse range of sectors, our team consistently delivers **innovative solutions** tailored to meet the unique demands of each industry.

Infrastructure



Civil



Transport



Environmental



Landslide Risk Assessment, Mornington Victoria



Rock fall analysis, Newcastle

Marine



Devonport, Tasmania



Marine Gas Project, Port of Adelaide South Australia

Energy



Alcoa, Heywood to Portland Transmission upgrade



Altona Terminal Substation, Altona

Renewables



Darlington Wind Farm



Mobilong - BESS battery storage facility, Murray Bridge SA



Surveying

Harnessing modern technology and an unwavering commitment to quality, we deliver cost-effective surveying solutions across Australia. Our expert surveyors and drafters employ state-of-the-art technology and equipment to ensure accurate and reliable results.

Key Services

- › Title Re-Establishment and Identification Survey
- › Feature and Level Surveys
- › Cadastral Surveying Consultancy
- › Engineering & Construction Survey
- › 3D Laser Scan
- › Aerial Surveys
- › Infrastructure & Engineering Surveys
- › Existing Conditions Surveying
- › Asset Recording

Our forward-thinking approach enables us to solve complex technical and organisational challenges with fresh, practical solutions that drive progress and efficiency.



Geotechnical

Discover unparalleled geotechnical solutions with our dedicated team. We offer end-to-end services in drilling, laboratory analysis, and consulting, all tailored to meet your project's unique needs. Experience the perfect blend of expertise, innovation, and personalised service that sets us apart.

We provide comprehensive geotechnical services, from site establishment to construction phase using specialised equipment and a NATA-accredited lab to ensure reliable, accurate results. With our holistic approach, we manage ground risk and apply cutting-edge GIS technology for advanced project insights.

We Offer:

- › Geotechnical Factual Reports [GFR]
- › Geotechnical Investigation Reports [GIR]
- › Basement Excavation
- › Retention systems analysis and design review
- › Landfill Investigations
- › Telecommunications
- › Education
- › Renewables – BESS, Windfarm, Solar
- › Pavement Investigations / Design / Circly Analysis
- › Seismic Investigation / Multichannel Analysis of Surface Waves
- › Landslide Risk and Slope stability assessments
- › Coastal Hazard Vulnerability Risk Assessments
- › NATA Accredited Laboratory for reliable testing and data analysis

As well as

- › Site classification
- › Salinity and Acid Sulphate Soil Assessments
- › Land Capability Assessments
- › Bushfire Management Statements

Field Services Capacity:

- › Tight Access Drilling
- › Project Management for service providing quality level A and B
- › Underground Service Detection (Quality Level C)
- › Concrete coring
- › Asphalt and concrete reinstatement
- › Earth resistivity testing (4 Pole Wenner Method)
- › Probe testing – DCP and SPT (AS1289.6.3.1, 6.3.2, and 6.3.3)
- › Undisturbed and disturbed sampling

Drilling Capability:

- › Auger (Solid) – 100mm, 125mm, and 250mm
- › Rotary wash bore
- › Diamond Core (NMLC and HQ)
- › Hammer Drilling
- › Hollow Auger
- › Geoprobe (liners) to 6m in depth
- › Licensed Groundwater well installs [Class 1 & 2]

Our Fleet Includes:

- › 4WD trucks and cars with support vehicles and trailers
- › Remote access abilities with satellite communication



Laboratory Testing

All our facilities, methods, and practices are NATA accredited, ensuring compliance with the highest industry standards. Intrax Laboratories provides independent, NATA-accredited materials testing for various earthwork and civil engineering projects.



Our Laboratory Offers:

- › Shrink Swell index (AS1289.7.1.1)
- › Liquid limit - one point (AS1289.3.1.2)
- › Liquid limit - four point (AS1289.3.1.1)
- › Plastic limit (AS1289.3.2.1)
- › Linear shrinkage (AS1289.3.4.1)
- › Plasticity index (AS1289.3.3.1)
- › Particle size distribution (AS1289 3.6.1)
- › Moisture content (AS1289 2.1.1)
- › Emerson class (AS1289 3.8.1)
- › pH value of soil (AS1289 4.3.1)
- › Standard & Modified compaction (AS1289 5.1.1 / 5.2.1)
- › Hill density ratio & moisture variation (AS1289 5.7.1)
- › Field density using portable Nuclear Gauge (AS1289.5.8.1)
- › California Bearing Ratio (AS1289.6.1.1)
- › Undrained Triaxial (UU) (AS1289.6.4.1)
- › Triaxial Permeability (AS1289.6.7.3)
- › Point Load Index (AS4133.4.1)
- › Thermal Resistivity (ASTM D5334-22)
- › pF Suction testing (In-house Method)
- › UCS on soils (AS 5101.4)
- › UCS on rock (AS 4133.4.2.1)
- › Rock Moisture content (AS 4133.1.1.1 / AS1289 2.1.1)
- › Falling Head Permeability (AS 1289.6.7.2)
- › CU Triaxial (Revisit) (AS 1289.6.4.2)
- › ID Odometers (AS 1289.6.6.1)

Civil Engineering

Our civil engineering team provides tailored solutions to support land development projects from concept to completion. We specialise in delivering cost-effective, innovative and sustainable solutions that meet the unique needs of each project.

We Offer

- › Conceptual Stage Planning
- › Lot Yield / Development Planning
- › Supporting Civil Plans and Documentation for Planning Applications
- › Civil Construction Plans and Documentation
- › Construction
- › Stormwater and Drainage Design
- › Road and Pavement
- › Utility





Contact

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