

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 Housing is an all-in-one provider of end-to-end, optimised consulting services for the housing sector. Deploying multidisciplinary teams in structural, civil, surveying, geotechnical, and energy rating disciplines, we deliver holistic, innovative solutions backed by ISO 9001:2015 certified systems for reliable results every time. With best-in-class account management and innovation, our cutting-edge practices inspire builders to confidently create more affordable, high-performing homes for Australian families nationwide.

Intrax Housing specialises in delivering engineering solutions that stand the test of time across Australia. Our competitive edge stems from a collaborative approach, integrating expertise from structural engineers, civil engineers, surveyors, and geotechnical specialists to ensure every project benefits from our extensive national experience and delivers quality, cost-effective outcomes in industry-leading timeframes.

We leverage advanced technologies, including the market's most extensive soils database, automated design software, and drone surveys, to enhance quality and accelerate delivery. With a strong national footprint, we respond rapidly, providing consistent, expert services to volume builders and homeowners in urban centers and remote locales alike.

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

- › Volume Housing
- › Custom Housing
- › Medium Density Housing
- › Modular/Relocatable Housing
- › NDIS and Social Housing

Our Disciplines

We inspire Builders to confidently build more innovative and affordable homes for Australian families.



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.

Volume Housing



Custom Housing



Medium Density



Modular/Relocatable Housing



Social Housing and NDIS





Site Investigation

Our Site Investigation team brings together geotechnical engineers and surveyors to deliver accurate and timely ground data. With a strong national footprint and deep understanding of local soils, site constraints and regulations, we help builders with ensuring their homes are built on properly assessed ground, mitigating risk and supporting long-term structural integrity.

Our geotechnical investigations are carried out using purpose-built drilling rigs capable of reaching depths of up to 8 metres, supported by comprehensive field and accredited laboratory testing. This includes soil sampling, moisture content analysis, compaction control and classification in accordance with AS 2870. We also provide site-specific assessments such as wind classification (AS 4055), salinity testing (AS 3700), snow load assessments (AS 1170) and land capability overlays to guide long-term material selection and drainage outcomes. All samples are assessed in our in-house, NATA-accredited laboratory to ensure quality and reliability.

Our survey team delivers a full range of pre- and post-construction services, from feature and contour surveys to slab setouts, AHD connections, re-establishment surveys and final handover assessments. Leveraging advanced technologies such as drone imaging, 3D laser scanning, and high-resolution photography, we produce highly accurate site data that integrates seamlessly into our geotechnical and structural workflows.

With both geotechnical and survey teams working together through a centralised platform, we achieve faster turnaround times, greater design accuracy and more coordinated project delivery all while maintaining full compliance with relevant Australian standards.

Site Investigation Services

Soil / Geotechnical:

- › Site classification reports to AS2870
- › Drilling down to 8m
- › Dynamic cone penetrometer testing and reporting (DCP)
- › Laboratory sampling (NATA accredited laboratory)
- › Assessment of compaction reports
- › Wind rating to AS4055 and AS1170
- › Footing probes
- › Snow loading reports
- › Corrosive durability rating to AS3700
- › Salinity reports
- › Bushfire management overlays (BMO)
- › Perth sand penetrometer testing (PSP)
- › Land capability assessments (LCA)

Surveying:

- › Feature contour survey
 - Greenfield zones
 - Brownfield zones
- › Australian height datum (AHD) link
- › Slab height certification
- › Re-establishment surveys
- › Pre-development handover survey assessment
- › Setout/pegout surveys*
- › Formwork surveys*
- › Final identification surveys*
- › Boundary markings*
- › Works as executed (WAE) surveys*
- › Site photography

*Limited to NSW and QLD





Structural

At Intrax, our Housing Structural team delivers innovative, cost-effective, scalable and on-time structural engineering solutions tailored to the diverse needs of Australia's residential and light commercial sectors.

With a focus on technical excellence, we combine advanced engineering expertise with practical design principles to ensure every project is structurally sound, compliant with regulations and optimised for both construction efficiency and cost. Our team's dedication to quality and collaboration enables us to support clients across a wide range of projects, from large-scale housing estates to bespoke architectural masterpieces.

We specialise in providing seamless structural solutions across all major housing segments, including volume housing developments, architecturally designed homes, medium-density projects and light commercial structures. Our engineers leverage automated design tools, rigorous quality assurance processes and a deep understanding of local building requirements to deliver quality outcomes that meet the unique demands of each project. By fostering close partnerships with builders, architects and developers, we ensure unmatched service, clear communication and reliable delivery, helping our clients achieve their vision with confidence and precision.

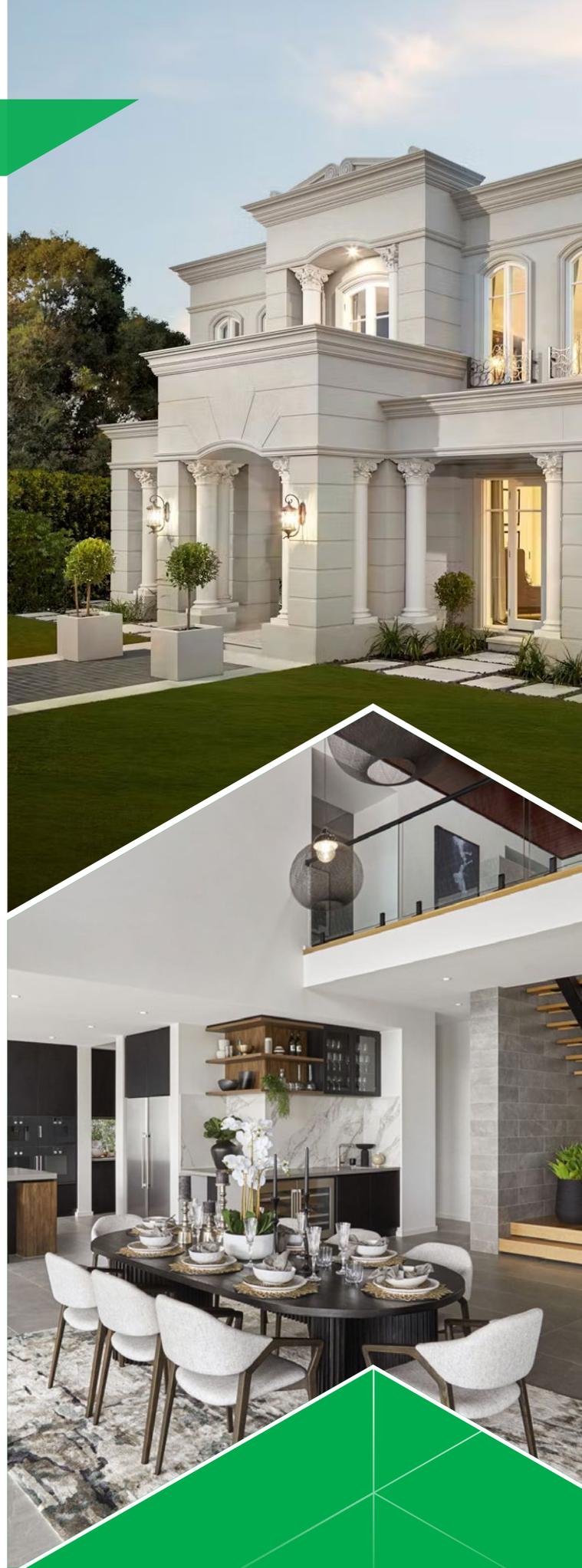
Structural Engineering

- › Footing and slab designs
- › Framing Designs (including timber and steel)
- › Masonry Design
- › Bracing Designs
- › Basement and suspended concrete slab designs
- › Retaining walls design
- › Swimming pool design
- › Articulation joint design
- › Master designs
- › Light gauge steel design
- › Modular and relocatable design

Construction Stage Services (CSS):

Our CSS team provides rapid, practical engineering support during construction, including:

- › Structural frame adjustments (e.g., overhangs, beam clearance, steel alignment)
- › Slab rectification, reinstatement, and cut-through redesign
- › Re-routing or fixing misplaced services (e.g., pipes in slabs)
- › Modifications for penetrations through structural elements
- › Redesign of elements to address on-site architectural constraints
- › Temporary propping and structural support solutions
- › Troubleshooting compliance issues raised by surveyors or certifiers
- › Remote assessments using site photos, videos, and dimensions
- › On-site collaboration with supervisors and trades for complex issues
- › Documentation to meet NCC and state-specific certification
- › Feedback to improve buildability and documentation





Civil/Stormwater Engineering

Intrax provides end-to-end Civil Stormwater Design services for detached housing, duplex, multi-unit developments, and knock-down new build (KDNB) projects across greenfield and brownfield sites. Our practical Civil designs ensure full compliance with local regulatory requirements and Australian Standards, while delivering quality, optimised, and timely solutions

We offer a full suite of design solutions including gravity-fed systems, onsite detention, water sensitive urban design (WSUD) integration, overland flow management, pit and pump systems, soakage pit design, outfall drains, and vehicle access and driveway gradients aligned with NCC and authority requirements.

Our approach ensures designs are fully coordinated with geotechnical conditions, structural requirements, and survey data: minimising foundation risk, managing moisture ingress, and optimising constructability. By engaging early and collaborating across disciplines, we provide performance-based and cost-effective drainage solutions tailored to site-specific and council-specific conditions.

Leveraging tools such as Civil 3D, MUSIC, STORM, and custom in-house computations, our engineers continuously innovate through structured internal initiatives to improve design efficiency, code compliance, and site outcomes. We maintain close working relationships with builders, plumbers, local authorities/municipalities and suppliers to ensure our designs are practical to install, approved to council requirements and cost-effective on site.

Intrax delivers thousands of stormwater design packages annually across Australia, consistently achieving council approvals, compliance with NDIS and government project requirements, and measurable cost savings for our clients.

Civil Engineering

- › Gravity-fed and sealed drainage systems
- › On-site detention (OSD) systems
- › Water Sensitive Urban Design (WSUD) integration
- › Overland flow management
- › Pit and pipe systems
- › Subsoil and soakage pit drainage
- › Outfall drainage (by request)
- › Driveway and vehicle access grades compliant with AS2890.1
- › Pavement design and grading (including compliance with NDIS)
- › Planning documentation for council submission
- › Stormwater performance based solutions





Energy Rating

Intrax offers a dedicated Energy Rating team supporting both our Building Engineering and Volume Housing divisions, delivering fast, accurate, and compliant assessments across a wide range of residential and multi-residential developments.

We provide energy assessments and Whole-of-Home assessments for detached dwellings, medium-density developments, Class 2 buildings, and light commercial structures, in line with the latest National Construction Code (NCC) requirements. Whether you require a 6 or 7-Star assessment, a Whole-of-Home assessment, BASIX assessment or Performance solution, our team can provide a tailored approach to meet your project's compliance needs. All energy assessments are conducted by accredited NatHERS assessors using approved software to model designs and produce star rating certificates, ensuring full compliance with the NCC.

By working closely with your design and engineering teams, we streamline the certification process, reduce design iterations, and help you achieve efficient, buildable outcomes that meet all relevant energy performance targets.

Energy Rating Services

Project Types

- › New buildings
- › Refurbishments and upgrades
- › Extensions
- › Peer review
- › Value engineering
- › Compliance review
- › Planning advice

Energy rating:

- › 6-Star Assessments
- › 7-star Energy assessments and
- › Whole of home assessments
- › Performance Solutions
- › Elemental Provisions
- › BASIX





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