



Intrax

PROJECTS



About Intrax

Intrax Projects is an innovative engineering practice that through a holistic approach delivers outstanding projects in the built environment and across the industry.

We offer a full range of engineering and field services that together bring positive and valuable contributions to both our clients and communities.

We operate nationwide. With 11 offices across the country, over 450 consultants, engineers, surveyors and designers, which produce innovative projects across east coast, SA and WA, with an appetite for excellence.

Established in 2003 with a strong set of values, our encouragement for independent thinking and accountability shapes a unique collaborative culture where best ideas flourish.

This is revealed in all we do. Our teams thrive to exceed clients' expectations from beginning to practical completion of any project.

Innovative thinking

Generating demonstrable economic and strategic value by solving a range of technical and organisational problems with fresh ideas.

Reliable partner

The Intrax team strive to develop genuine value for clients, above and beyond expectations.

Engineering excellence

Realising the vision of our clients by going beyond the conventional and redefining what is possible.

Versatile solutions

We create solutions which deliver on our clients' needs with a tailored and personal approach which is never generic.



Competence

We consult with our clients, understanding their objectives and requirements, and then develop flexible, scalable and innovative solutions which pre-empt future needs and maximise project value.



Multi-disciplinary

Intrax is a multi-disciplinary engineering business. Our teams share office space, sitting close to each other to promote cross-disciplinary competence and understanding. Through this approach our dedicated project leaders can ensure coordinated, optimised design and service delivery.



Delivery

Service delivery lies at the heart of our engineering services. Respect for project commitments; we deliver an on time, fast and reliable engineering solution providing customers with an informed, centralised point of contact and work with you to innovate on cost conscious and time favourable designs.



Creating value through effective risk management

We develop alternatives and actions to enhance opportunities and decrease threats to project goals.

Performance

Deploying multidisciplinary teams to provide holistic solutions, share insights, and putting diverse skillsets into action.



Project Handling Capability

From providing design services for small buildings to conducting complex geotechnical and engineering projects for a diverse range of clients across the country, we have proved adept at achieving the right result independently of the challenge.



Technology

Businesses are being challenged by digital technologies to rethink how they operate, compete, and ultimately design the built environment. We realise our clients' ambitions, combining high-level technology and innovative thinking to redefine what is possible.

- 3D Modelling & BIM: We maximise BIM (building information modelling) capabilities to collect and transform all data efficiently and deliver bespoke designs.
- 3D Lidar Scans: We are capable of designing spaces using 3D LIDAR scans of the existing core and shell space and for the creation of topological maps in land surveying.
- UAV: Capable of high-resolution 3D aerial map and survey, visual or thermal asset inspections or volume analyses.



Project Management

We understand our clients' needs for timely service and superior engineering design solutions. As a result, Intrax provides a true end-to-end engineering service that enables us to coordinate all the engineering disciplines for a project, reducing work time for the whole project team.

The Intrax Way

Our why

We come to work because we are excited to inspire our project partners to create a sustainable future of infrastructure and the built environment, for Australian communities.

Communication

Intrax takes a holistic, end-to-end ecosystem approach to extend meaningful interactions across all channels on a given project by creating and embedding lasting customer experience capabilities in our project teams.

Customer Experience

Our industry thrives when everyone on a project team enjoys their experience of working together. So experience-based differentiation is our point of focus. This focus on experience means we produce a positive contribution designing and delivering real and sustainable results.

Service Industries

We work with a diverse team of specialised experts to bring you trustworthy, holistic and unbiased advice. We pride ourselves on being viewed as valuable partners by our clients, no matter the size of the project.



Commercial and Office

Pushing the boundaries of what is possible in commercial engineering and developing optimised engineering designs to meet ever-evolving challenges.



Residential

Innovative and comprehensive approaches to hi-rise projects, geared towards the direct creation of value for clients.



Education

Crafting safe, inspiring, stimulating and sustainable spaces in which to teach and learn together, for students of all ages



Infrastructure

By understanding the subtleties and intricacies of infrastructure projects, we recognise they must be approached in a unique and considered manner balancing economic, political and social conditions under which our infrastructure-building clients operate.



Land Development

Understanding the constraints, opportunities, and economic drivers for every project, and knowing how to work with them to achieve the most optimised outcomes for our clients.



Industrial

Industrial projects exist at the confluence of several different axes; cost, bottom line, functionality and practicality. Intrax provides full-service solutions at the intersection of these diverse concerns.



Community

Making public funds go further, and making outcomes even more spectacular, through expertise and innovation



Emergency Services

Skill, experience, and engagement needed to ensure the timely delivery of robust and energy-efficient emergency services facilities.

Values Driven, People **Oriented**

The Intrax Projects team comprises over 300 highly competent consultants, engineers, surveyors and designers that work holistically under the same philosophy. When working together our level of achievement compounds to deliver a service to our clients that is second to none.

Performance

We deliver. With streamlined processes, we elevate and challenge KPIs, engaging in every task with efficiency and vigour.

Leadership

We see ourselves as industry leaders. We nurture knowledge and project it outwards, cultivating intelligence at every stakeholder level.

Innovation

We are solution-hunters. Constantly searching for alternative, cost effective, efficient and longstanding methods to benefit our clients and transcend the industry.

Respect

Respect is integral. We foster an internal culture within our people, clients and suppliers. This intrinsic respect is founded on the celebration of diversity, and its projected outwards to the community.

Understanding

We embed ourselves in our clients' world. Not as a showy mantelpiece adornment, but for genuine perspective. We are on our client's side and strive for mutual success. We are customer driven, not customer compelled.

Our Locations

With 11 offices across the country we have a strong presence in the east coast.





Structural



Realising the vision of the architect
by stepping beyond the conventional
and redefining what is possible

Maximise Value with Flexible, Scalable, Innovative Solutions

The construction market is dynamic. The best practices change, conventional wisdom shifts, and expectation only increases. Innovation is required to meet the diverse needs of our clients.

We consult with our clients, understanding their objectives and requirements, and then develop flexible, scalable and innovative solutions which pre-empt future needs and maximise project value.

Challenging Conventional Thinking

Conventional thinking is there to be challenged and disrupted. If not, there can be no progress. This is one of the key tenets of Intrax. It serves as a driving force for us as we seek out value and advantage in every aspect of a project.

This means applying industry-leading engineering skills, technical backgrounds, and knowledge gained from practical experience, to each and every project. We rethink the design and construction process, achieving outcomes of an impeccable standard for our clients.

Engineering Excellence

The Intrax approach is always a comprehensive one. We deploy multidisciplinary teams to analyse solutions, share insights, and put diverse skillsets into action. No assumption goes untested. We apply an in-depth analysis to provide the highest standards for you, the client.

Through sharing of knowledge and collaborative working, we offer agile, complete solutions which meet structural engineering needs across a wide range of projects and industries.

Expertise

- Hospitals
- Education
 - Childcares
 - Primary and Secondary Schools
 - University Campus
- Industrial Structures
- Hi-Rise Residential
- Commercial Buildings
- Hospitality
- Retail buildings
- Community Buildings
- Emergency Services Buildings
- Facade Refurbishment
- Structural Refurbishment
- Remedial Engineering



Building Services



Developing incredible outcomes with complete mechanical, electrical, and hydraulic services solutions

Transformative Engineering for a Modern Age

Modern construction outcomes are as diverse as the projects which require them. It is not enough simply to construct a business premises; that building must feature the highest levels of efficiency, cutting-edge environmental solutions, and it must be geared directly towards the objectives of the business.

This is at the core of what Intrax provide. Modern building services solutions for a modern age.

Versatile Solutions

Our dedication to understanding and implementing the particular project brief from each and every one of our clients ensure our approach to the design, documentation, and project management of each of our projects results in the solutions and levels of service our clients expect.

Environmentally Sustainable Design (ESD)

At Intrax Building Services, our engineers create environmentally sustainable design solutions, with energy and water saving solutions to add value and reduce running costs.

Covering mechanical, electrical, hydraulic, fire safety, vertical transportation and logistics, and much more, we are truly a full-service solution provider.

Our building services have secured incredible outcomes across the commercial, industrial, residential and institutional sectors.

Expertise

Mechanical | Hydraulic | Electrical | Fire

- Hospitals
- Education
 - Childcares
 - Primary and Secondary Schools
 - University Campus
- Residential
- Commercial Buildings
- Hospitality
- Retail buildings
- Community Buildings
- Emergency Services Buildings



Surveying



Harnessing the power of modern technology
to bring you reliable surveying solutions

Informed Choices, Supported by Reliable Surveying

Project decisions must be based on profound levels of knowledge and understanding. To support this, we provide a full and thorough surveying service, combining analytic expertise and state of the art modelling techniques.

Experience Enhanced by Technology

In a highly technical field, agility and technological savvy are required. Our teams have years of industry experience to draw upon, but remain on the leading edge of the market in terms of methods, means and technology used.

Clients can rely upon us to precisely map and geolocate assets onsite, and to provide full service surveying solutions to your project.

The Utmost Precision in a Remarkable Time Frame

Our full service, end-to-end focus means that our clients can depend on Intrax as we deliver a complete and precise package in incredible time frames. A combination of speed, precision, innovation and professionalism has led to us becoming known as one of the most respected asset recording, asset management and surveying solutions providers in Australia.

Expertise

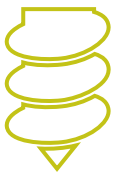
- Title Re-Establishment and Identification Survey
- Feature and Level Surveys
- Cadastral Surveying Consultancy
- Licenced Surveyors
- Building & Land Subdivisions Surveys
- Construction Surveying
- Infrastructure & Engineering Surveys
- Existing Conditions Surveying
- Asset Recording

Sectors

- Transportation
- Residential & Land Development
- Hi-Rise & Commercial
- Utilities & Infrastructure
- Defence
- Mining Open-Cut/Surface
- Marine
- Environment and Conservation



Geotechnical



Holistic Approach to Geotechnical Engineering Challenges

Expert geotechnical engineering consultation

Where there is an ambitious project, where there are complex ground conditions, where only innovative solutions will make the grade, Intrax come through to achieve success. This success is secured through a combination of the preparation, the design and the implementation of ground engineering techniques.

Managing Ground Risk

Intrax works only with the latest and most superior technology in the field, and supports this with sophisticated software solutions back at the office. This facilitates a highly precise and reliable service, delivered using state of the art geotechnical analysis techniques.

This helps us to minimise risk, all but eliminating wasted time and money through better planning, design, and construction.

NATA accredited Laboratory

All our facilities, methods and practices are NATA accredited, guaranteeing compliance with the highest standards of the industry.

Intrax Laboratories Victoria produces entirely independent NATA-accredited materials testing across a wide range of laboratory services for earthwork and civil engineering projects. We provide most of the AS1289 services.



Expertise

- Title Re-Establishment and Identification Survey
- Buildings and Structure
- Multi Storey
- 2 and 3 level basements
- Medium Density Housing
- 500+ Subdivisions
- Earthworks and Pavement Design
- Commercial Pavements – Industrial sites
- Landslide Risk, Rock Fall Risk assessment, Slope and Batter stability,
- Soft Soil assessment and CPT testing
- Pavement investigation
- Subgrade inspection – Proof rolls
- On-Site Disposal of Effluent
- Salinity Assessment
- Acid sulphate assessment



Civil



Generating demonstrable economic and strategic value by solving a range of technical and organisational problems

Solutions with Strategic Value

The civil engineering solutions which Intrax provides are geared towards complex projects with a range of different requirements. Our understanding is key and a vital factor in the unfolding relationship we develop with our clients.

Holistic & Multidisciplinary Service

In completing a civil engineering project, Intrax draws upon the myriad skill and experience of its various departments, bringing these departments together to form a cohesive whole. Together, these departments take care of planning, organisation, resource management, and a comprehensive range of other project components with the same professional attitude and high level of confidence.

Project Management and Construction Supervision

By deploying a watertight strategy, we can reduce costs and delay by minimising the rework required on the project. With this framework in place, Intrax can begin guiding and managing aspects of the project to secure the desired outcomes within acceptable timeframes and budgetary constraints.

Expertise

- Land and Building Developments
- Land Subdivision Design
- Development Strategy
- Project Management & Construction Supervision
- Feasibility Assessments
- Road Design
- Driveway Design
- Sites Investigations
- Drainage Design, Drinking/ Storm Water, Sewer, WSUD
- NBN, Gas, Pit & Pipe, Electrical, AS3000
- Retaining Walls / Bulk Earthworks Minimisation
- Freight Container and Warehouses Pavements



Project Gallery



No1 Lachlan Street Waterloo (high rise residential)
143 residencies, Three retail tenancies, Childcare centre

Builder: ProBuild
Architect: Turner



Boomerang Tower
229 apartments, 39 storeys

Architect: Bates Smart
Client: Ecove Group
Builder: Taylor



Park One Apartments
409 apartments with associated ground level retail

Architect: Turner



One30 Hyde Park

Architect: Bates Smart

38 storeys with 140 luxury apartments,
ground level retail, 7 basement levels



Woolloomare Bay

Architect: Turner

220 apartments in 3 separate buildings.
The buildings range from 8 to 14 storeys.



Hallmark

144 apartments, 21 levels

Architect: Sol Sapir Architect



Knoxia

87 apartments over 6 levels

Client: LHL Corp Properties,
Project Manager: Gallagher Jeffs
Architect: iWolff Architects



Hornsby Ku-Ring-Gai Hospital

Architect: Woodhead Architects
Client: Health Infrastructure NSW



835-853 High Street

35 Apartments, 7 storeys

Architect: Carr
Developer: Moda



Pascoe Business Park

6 retail tenancies, 5 storey office building

Architect: Pelligra Group



Hindmarsh Shire Council Offices

Office complex with significant focus on occupant comfort and energy efficiency

Architect: K20 Architecture



Coomera Urban Village

Childcare, retail, service station



Empire

Epping, 94 apartments and 6 levels of commercial space over 13 levels

Architect: iWolff Architects
Client: Pelligra Holdings



Bravo

Carlton, 120 apartments over 13 levels

Builder: Vaughan Construction
Architect: Hayball



Bambini Hampton

112 places

Architect: Perkins



The William

520 apartments in two
24 level towers

Architect: Bruce Henderson Architects
Client: Hengyi Australia
PM: Nash Management



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