



IA ENGINEERING
& CONSULTANCY

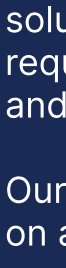
CAPABILITY STATEMENT



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1300911671

WHO WE ARE?

IA Engineering & Consultancy Pty Ltd is an Australian structural and civil engineering consultancy providing practical, compliant and cost-effective engineering solutions across residential, commercial and infrastructure sectors.

We specialise in structural and civil engineering design, technical inspections, specialist assessments, specialist reporting, technical documentation, and engineering consultancy services. Our focus is on delivering practical, buildable and efficient engineering solutions aligned with technical requirements, regulatory standards and project-specific conditions.

Our engineering approach is built on a combination of deep technical expertise, practical industry experience and academic knowledge. With a strong understanding of construction processes, site conditions and project delivery requirements, we provide engineering solutions that are functional, buildable and aligned with project budgets and timelines.

IA Engineering & Consultancy is supported by a team of registered engineers, experienced professionals and an integrated management structure operating in accordance with internationally recognised quality, environmental and safety management systems, including ISO 9001, ISO 14001 and ISO 45001.

While the company's primary operations are based in Sydney, IA Engineering & Consultancy also maintains active offices in Melbourne, with planned expansion into Perth, enabling the delivery of engineering services across a broader national footprint throughout Australia.

Our commitment is centered on delivering high-quality engineering services, accurate technical documentation, timely project delivery and practical engineering solutions tailored to local industry standards, project requirements and budget expectations.

CORE SERVICES

Structural & Civil Design

- Structural design for steel, concrete and timber structures
- Structural design solutions for residential, commercial, industrial and infrastructure projects
- Stormwater design and surface water management solutions
- Traffic management planning and coordination services
- Temporary works design
- Preparation of structural drawings and design documentation

Structural Assessments & Engineering Investigations

- Structural assessments
- Structural adequacy assessments
- Structural condition assessments
- Technical inspections
- Site inspections and reporting
- Structural risk assessments
- Crack and movement investigations
- Dilapidation reports

Forensic Engineering & Expert Reporting

- Forensic Structural Assessments
- Structural Damage Investigations
- Insurance Claim Support Reports
- NCAT & Legal Expert Reporting
- Failure Analysis & Cause Determination
- Defect Assessments & Expert Opinions

Remedial & Structural Upgrades

- Remedial engineering solutions
- Structural rectification and strengthening solutions
- Structural defect and failure investigations
- Repair Methodology Development
- Root Cause analysis and assessment

Construction Phase Engineering Support

- Construction phase engineering support
- Site coordination and technical support
- Contractor & Builder Coordination
- Construction Monitoring
- Shop drawing reviews
- Responsive site-based engineering services

Authority & Regulatory Coordination

- Coordination with councils and relevant authorities
- Engineering support for DA, CDC and CC approvals
- Compliance with Australian Standards and regulatory requirements
- Technical responses to councils and authorities
- Engineering coordination for approvals and certifications

Engineering Analysis & Technical Capability

- Advanced Structural Analysis
- Structural Modelling & Simulation
- Finite Element Analysis (FEA)
- Linear & Non-Linear Structural Assessments
- Structural Behaviour Analysis
- Structural Risk & Compliance Evaluations

Design Review & Technical Advisory

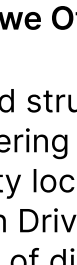
- Engineering consultancy services
- Technical advisory services
- Design review and verification
- Independent engineering reviews
- Peer reviews
- Multidisciplinary Coordination
- Buildability Reviews

Sectors We Serve

IA Engineering & Consultancy provides engineering consultancy services across a diverse range of sectors throughout Australia. Our experience spans residential, commercial, industrial and infrastructure projects, where we deliver practical, compliant and buildable engineering solutions tailored to the technical and operational requirements of each sector.

We understand that every industry presents unique engineering, regulatory and construction challenges. Our multidisciplinary approach, combined with strong technical capability and practical site understanding, enables us to support projects from initial assessment and design through to construction and project delivery.

Our services are delivered with a strong focus on structural integrity, compliance with Australian Standards, practical construction outcomes and responsive project support across all sectors we serve.



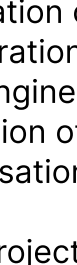
RESIDENTIAL



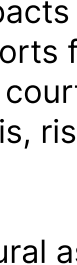
COMMERCIAL



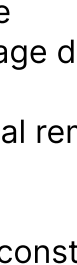
INDUSTRIAL



REMEDIAL



INFRASTRUCTURE



TEMPORARY
STRUCTURES

WHY WORKING WITH US

At IA Engineering & Consultancy, we believe that successful engineering services go beyond design alone. A strong understanding of construction processes, technical requirements, project constraints and the delivery of practical, buildable solutions plays a critical role in the success of every project.

Our approach is built on a combination of technical expertise, practical industry experience and a clear understanding of real project conditions. We provide engineering services with a strong focus on technical quality, buildability, compliance with Australian Standards and responsive project support to help projects progress with confidence, accuracy and efficiency.

Our team consists of registered engineers and experienced professionals who understand site conditions and construction methodologies, enabling us to deliver engineering solutions that are technically reliable, practical and aligned with project budgets and delivery requirements. We understand the importance of project timelines and are committed to delivering engineering services and technical documentation in accordance with project programmes and client expectations.



Timely delivery of engineering services and technical documentation



Practical and buildable engineering solutions



Strong technical and site-based understanding



Professional, responsive and transparent communication



Focus on practical solutions tailored to project requirements



Technical support throughout various stages of design and construction

OUR PROJECT

Wharf Side Riverbank

Client Name : Sydney Olympic Park

Services we Offered :

- Preliminary technical assessment and seawall defect investigation
- Assessment of hydraulic conditions, erosion mechanisms, and tidal impacts
- Existing condition analysis and identification of environmental and construction risks
- Development of conceptual rehabilitation and stabilization options for the seawall system
- Preparation of REF report
- Preparation of BOQ report
- Review of construction and environmental requirements in accordance with SOPA requirements
- Provision of technical recommendations for improving long-term structural stability and durability of the foreshore protection system

State Sports Center Hall

Client Name : Sydney Olympic Park

Services we Offered :

- Comprehensive structural assessment of the existing arena structure
- Detailed site inspection and structural condition evaluation
- Development of a three-dimensional structural model of the building
- Advanced structural analysis under existing and proposed loading conditions
- Assessment of roof load-carrying capacity for additional suspended loads
- Evaluation of structural capacity for installation of new heavy lighting systems
- Review of structural implications associated with heavy mechanical, HVAC, and cooling systems
- Identification of structural limitations, load distribution behaviour, and critical structural zone
- Provision of technical recommendations for future upgrades and operational requirements

Opal Tower Detention Tank

Client Name : Sydney Olympic Park

Services we Offered :

- Detailed site inspection and structural assessment of the underground reinforced concrete detention tank
- Internal inspection of the tank structure located approximately 15 metres below ground level
- Identification and assessment of structural defects, deterioration and areas of concern
- Evaluation of the structural condition and operational performance of the concrete tank structure
- Assessment of access limitations, confined working conditions and inspection constraints within the structure
- Development of practical and buildable remedial recommendations for repair and rehabilitation works
- Preparation of a comprehensive technical engineering report outlining findings, risk considerations and recommended rectification measures
- Provision of engineering recommendations to support future maintenance, operational reliability and long-term structural performance

Residential Structural Design

Client Name : GBA Design

Services we Offered :

- Structural engineering design for a three-storey residential building
- Preparation of structural drawings, engineering documentation and certifications
- Reinforced concrete structural design
- Structural coordination and engineering support throughout the design process
- Review and resolution of complex structural design conditions associated with varying floor levels and architectural constraints
- Development of practical and buildable engineering solutions aligned with local construction methodologies and Australian Standards
- Delivery of complete engineering documentation to support project approval and construction stages

Traffic Management Plan

Client Name : Sydney Water

Services we Offered :

- Assessment of existing parking arrangements, traffic circulation and operational site conditions
- Analysis of operational, service and delivery vehicle movements within the facility
- Optimisation of parking layout and internal traffic flow to improve operational efficiency and site safety
- Design of pedestrian circulation paths and segregation measures to reduce vehicle-pedestrian conflict areas
- Preparation of Vehicle Movement Plans (VMP), traffic layouts and supporting technical documentation

Development of practical solutions including line marking, traffic signage, traffic flow management and WHS-related requirements

Penthouse Renovation and Structural Modifications In Bondi Junction

Client Name : Private Client

Services we Offered :

- Structural assessment and advanced structural analysis for the renovation of a high-end penthouse within an existing multi-storey residential tower
- Assessment of structural implications associated with the removal of multiple internal walls located beneath the rooftop pool area
- Structural evaluation and engineering design for the installation of an outdoor spa/jacuzzi on a cantilevered external balcony
- Analysis of revised loading conditions and development of strengthening and practical engineering solutions suited to existing structural constraints
- Preparation of structural design documentation, engineering details and technical requirements to support safe construction and compliance with Australian Standards

The project required detailed assessment of existing structural conditions, management of complex loading scenarios and the delivery of practical engineering solutions within an occupied high-rise residential environment.

Structural Damage Assessment and Technical Reporting for Insurance and Legal Proceedings

Client Name : Private Client

Services we Offered :

- Detailed structural inspection and engineering assessment of a residential property located adjacent to the Henry Lawson Drive infrastructure works
- Review of dilapidation reports, project documentation and structural impacts associated with heavy machinery operation, excavation and ground compaction activities
- Assessment of structural cracking, settlement, moisture ingress, roof damage, structural movement and instability throughout the property
- Engineering analysis in accordance with relevant vibration assessment standards and evaluation of construction-related impacts on structural performance
- Preparation of specialist technical reports for insurance claims, damage documentation and engineering support for legal and court-related proceedings
- Provision of damage causation analysis, risk assessment and practical remedial and stabilisation recommendations

Structural Assessment and Engineering Feasibility Study for Lift Replacement and Upgrade

Client Name : BFMS Facilities Management

Services we Offered :

- Structural assessment, review of lift shafts, associated structural elements and construction constraints related to replacement of the existing lift systems
- Assessment of structural impacts associated with installation of new lift systems and modern equipment in accordance with current technical requirements and applicable standards
- Development of practical and buildable engineering solutions for implementation of upgrade works within an operational building environment
- Preparation of technical documentation, design requirements and engineering certifications required for construction and relevant approvals

Safety / Compliance / Insurance

IA Engineering & Consultancy is committed to delivering engineering services in accordance with Australian technical, regulatory and professional standards. Our management systems and operational processes are developed with a strong focus on quality, safety, technical compliance and risk management to support reliable project delivery across all stages of a project.

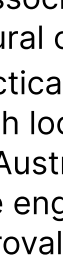
The company maintains professional insurance coverage including Professional Indemnity Insurance and Public Liability Insurance, and delivers services in alignment with WHS requirements, Australian Standards and quality assurance procedures.

Insurance Coverage
Professional Indemnity Insurance: Up to AUD \$3 million per claim
Aggregate Professional Indemnity Cover: Up to AUD \$6 million
Public Liability Insurance: Up to AUD \$10 million per occurrence

IA Engineering & Consultancy also operates in accordance with internationally recognised management frameworks, including ISO 9001, ISO 14001 and ISO 45001, supporting continual improvement, operational consistency and professional service delivery.

Company Contact Details

IA Engineering & Consultancy Pty Ltd operates from the following offices:



Sydney Office
Unit 20/1 Maitland Pl, Norwest NSW 2153



Melbourne Office
Unit 11 level 14/330 Collins Street, Melbourne VIC

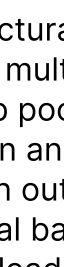
For all inquiries, please contact:



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Thank you for taking the time to review our Capability Statement. We look forward to the opportunity to deliver practical, reliable, and professional engineering solutions for your future projects.

