

CAPABILITY STATEMENT



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30 YEARS

15,757 PROJECTS

2,589 CLIENTS

ABOUT US

Founded in 1994, EI Australia has grown into an industry powerhouse delivering multi-disciplinary engineering and scientific solutions across Australia and New Zealand.

With a dynamic team of over 200 professionals, EI Australia excels in providing innovative, practical and cost-effective expertise in environmental, geotechnical, structural and civil engineering. Experience the unparalleled, forward thinking approach that makes EI Australia a leader in engineering excellence.

OUR TEAM

EI Australia is an industry leader with skilled and qualified teams of scientists, engineers and consultants specialising in civil, structural, environmental, geotechnical services.

Our multi-disciplinary team has been providing state of the art solutions in response to many challenging contaminated lands, hazardous materials, ground and structural engineering, and rectification issues nationally and internationally for over 30 years.



EXPERIENCE

With decades of experiences, EI Australia provides high-level expertise and practical advice that delivers smart, cost-effective and innovative solutions for your projects.



DEDICATION

Our commitment at EI Australia goes beyond meeting expectations; we are dedicated to going the extra mile to ensure successful solutions for each project and sustain trusted partnerships.

30 YEARS

Celebrating over 30 years of trusted expertise, EI Australia is experiencing rapid growth, expanding our reach and influence as we lead the way into the next era of engineering innovation.

**Experienced, Knowledgeable
and Fully Accredited
Team of Experts.**

SAFETY & WELLBEING

EI Australia places paramount importance on the safety and well-being of our employees, subcontractors and the general public. We have an unwavering commitment to maintaining the highest standards of health and safety across all our operations. Our rigorous safety protocols, comprehensive training programs and proactive risk management strategies ensure that every project is executed with the utmost care and responsibility.

We believe that a safe work environment is not just a requirement but a fundamental right and we are dedicated to a culture where every individual feels protected and valued. EI Australia recognises its staff for their consistent and vigorous safety standards



ISO ACCREDITATIONS

Our Sydney head office is ISO Accredited for Environmental, Safety and Management Systems.



OUR MISSION

Our mission is to deliver innovative engineering solutions that drive progress and sustainability. We are committed to excellence, integrity and the continuous advancement of our team and technology to meet the unique challenges of every project. Through a focus on quality and client satisfaction, we foster a collaborative environment that encourages our team to excel and innovate in the industry.



EXPERTISE

CIVIL
STRUCTURAL
ENVIRONMENTAL
GEOTECHNICAL
GROUNDWATER
HAZARDOUS MATERIALS



CIVIL

El Australia's team of civil engineers are proactive and collaborative, bringing extensive experience in working with external consultants and government bodies to deliver economical solutions across a range of civil services. Our holistic approach ensures that we deliver results that exceed client expectations while maintaining the highest quality of service.

CIVIL ENGINEERING

- Council Compliance (AS2890)
- Car Park, Driveway Design & Associated Profiling
- Footpath & Public Domain Works Design & Documentation
- Section 138 Documentation
- Dilapidation Reports - Property & Public Asset
- Road Design & Associated Documentation
- Feasibility Study & Due Diligence in Green Field & Brownfield Developments
- Council Compliance DA - CC - CDC (Stormwater & Civil)

FLOODING & OVERLAND FLOW

- Flood Evacuation Management Plan as per NSW SES Emergency Plans
- Flood Management & Mitigation Plan

LEGAL WORKS ASSISTANCE

- Site Audit & Reporting
- Expert Witness & Defect Reports
- Ncat & Legal Proceeding (Technical)

STORMWATER

- Sedimentation & Erosion Control Plan
- Council DCP Compliance (Stormwater)
- Sub Surface Drainage
- Drains And Music Modelling
- Water Sensitive Urban Design Compliance
- Onsite Detention & Retention Design & AS3500 Compliance
- Section 68 Documentation
- Critical Stage Inspections

PROJECT MANAGEMENT (CIVIL- STORMWATER)

- Stormwater Ingress & Drainage Investigations
- Remedial Works Project Management
- Planning Documentation
- Engineering Compliance
- Liaison with Regulatory Authorities (Local Councils, Sydney Water etc.)

STRUCTURAL

El Australia's Structural Engineering team excels in innovative and intelligent design, delivering exceptional and cost-effective solutions tailored to our client's needs. Our portfolio demonstrates our flexibility and creativity in design through our extensive experience collaborating with tier 1 developers, builders and contractors. Understanding key design drivers and incorporating a holistic approach to project solutions has led to our success and growth. Known for innovation, efficient project coordination and meticulous attention to detail, we provide practical and technically excellent solutions at a high standard from initial investigation to final construction support.

STRUCTURAL DESIGN & DOCUMENTATION

- Temporary & Final Structural Shoring Design
- Drained & Tanked Basements
- Challenging Soils & Site Constraints
- Concrete & Steel Structures
- Post-Tensioning Design & Documentation
- Advanced Engineering & Finite Element Analysis
- Construction Phase Support

HERITAGE STRUCTURES

- Structural Assessments & Retrofitting Design for Latest Code Compliance
- Integration of Sensitive Elements into the Design

STRUCTURAL REPORTING & INVESTIGATIONS

- Dilapidation Report at Various Project Stages
- Pre-Construction
- Post-Shoring
- Post-Construction
- Structural Assessments
- Investigations of Existing Structures
- Remediation Methodologies
- Calculations Reports for Compulsory Third-Party Peer Reviews
- Expert Witness

STRUCTURAL PEER REVIEW

- Building Structure Framing
- Lateral Stability Systems
- Structural Shoring Systems
- Value Engineering



ENVIRONMENTAL

El Australia's in-house Environmental Engineering team comprises a diverse group of engineers and scientists, certified environmental practitioners and licensed asbestos assessors. Our team excels in Contaminated Land Management (CLM) for soil, groundwater, surface water, vapour and hazardous ground gases. With over 30 years of expertise, our clients, including high-end and prestigious organisations, trust us to deliver practical and sustainable solutions.

CLM INVESTIGATIONS & REMEDIATION

- Preliminary Site Investigation
- Detailed Site Investigation
- Remediation Action Plans
- Site Validation

ENVIRONMENTAL MONITORING

- Landfills
- Hazardous Ground Gas
- Soil Vapour
- Surface Water
- Groundwater
- Air Quality

ACID SULFATE SOIL

- Acid Sulfate Soils Assessment
- Acid Sulfate Soil Management Plan

SALINITY

- Salinity Assessment
- Salinity Management Plan

RISK ASSESSMENT

- Human & Environmental Health Risk Assessment
- Fate & Transport Modelling
- Mass Flux Assessment

MANAGEMENT PLANS

- Construction Environmental Management Plans
- Environmental Management Plans

WASTE CLASSIFICATION

- Soil Waste Classifications for Landfill Disposal

ADDITIONAL SERVICES

- Expert Witness for Land & Environment Court
- Research & Development
 - Patented PFAS remediation technology and trials



GEOTECHNICAL

At El Australia, our Geotechnical team sets the standard in navigating the complexities of geotechnical projects. We bring unmatched expertise and strategic solutions to every phase of infrastructure and property development projects. From pre-development assessments to foundation design, drilling operations and land instability. Our capabilities extend to geotechnical investigations and monitoring, deep excavations, land instability, groundwater monitoring and management. Ensuring each project is executed with precision and reliability. El Australia provides in-depth knowledge and strategic insights to overcome the most challenging geotechnical conditions and successful outcomes.

GEOTECHNICAL ASSESSMENTS & INVESTIGATIONS

- Desktop Preliminary Geotechnical Assessment (PGA)
- Detailed Geotechnical Investigation
- Pavement Design
- Borehole Infiltration Test
- Soil Aggressivity

GEOTECHNICAL (FINITE ELEMENT) MODELLING

- Plaxis 2D & 3D
- Specialist Engineering Report

LAND STABILITY

- Stability Assessment
- Landslide Risk Assessment

CONSTRUCTION SUPPORT SERVICES

- Geotechnical, Hydrogeological & Excavation Monitoring Plan
- Construction Methodology Report
- Working Platform Assessment
- Geotechnical Pile & Footing Inspections
- Compaction Testing
- Level 1 Earthwork Supervision
- Geotechnical Instrumentation & Monitoring
 - Vibration Monitoring
 - Inclinator Movement Monitoring
 - Groundwater Settlement Monitoring
- Bearing Pressure Assessment
- Pavement Inspection & Certification

ADDITIONAL SERVICES

- Geotechnical Certification & Practitioner Design Compliance Declaration
- Peer Review
- Expert Witness



GROUNDWATER

El Australia's in-house Environmental, Hydrogeologists, Geotechnical and Structural Engineering teams excel in navigating the many complexities of the dewatering process. We lend our expertise throughout the design, certification and approval process for groundwater dewatering and basement systems. Our in-depth knowledge and practical solutions for smoother processes is in line with the WaterNSW and NSW Government Department of Climate Change, Energy, the Environment and Water (DCCEEW) guidelines.

BASEMENT DESIGN APPLICATION

- WaterNSW Licence Application
- Water Supply Works Approval
- Water Access Licence
- Water Entitlement Leasing
- Temporary Allocation Lease of Groundwater Share

GROUNDWATER AND DEWATERING MONITORING

- Continuous Monitoring of Groundwater & Surface Water Quality
- Continuous Monitoring of Groundwater Levels & Drawdown
- Continuous Monitoring of Groundwater Impacts

STRUCTURAL SHORING & BASEMENT DESIGN

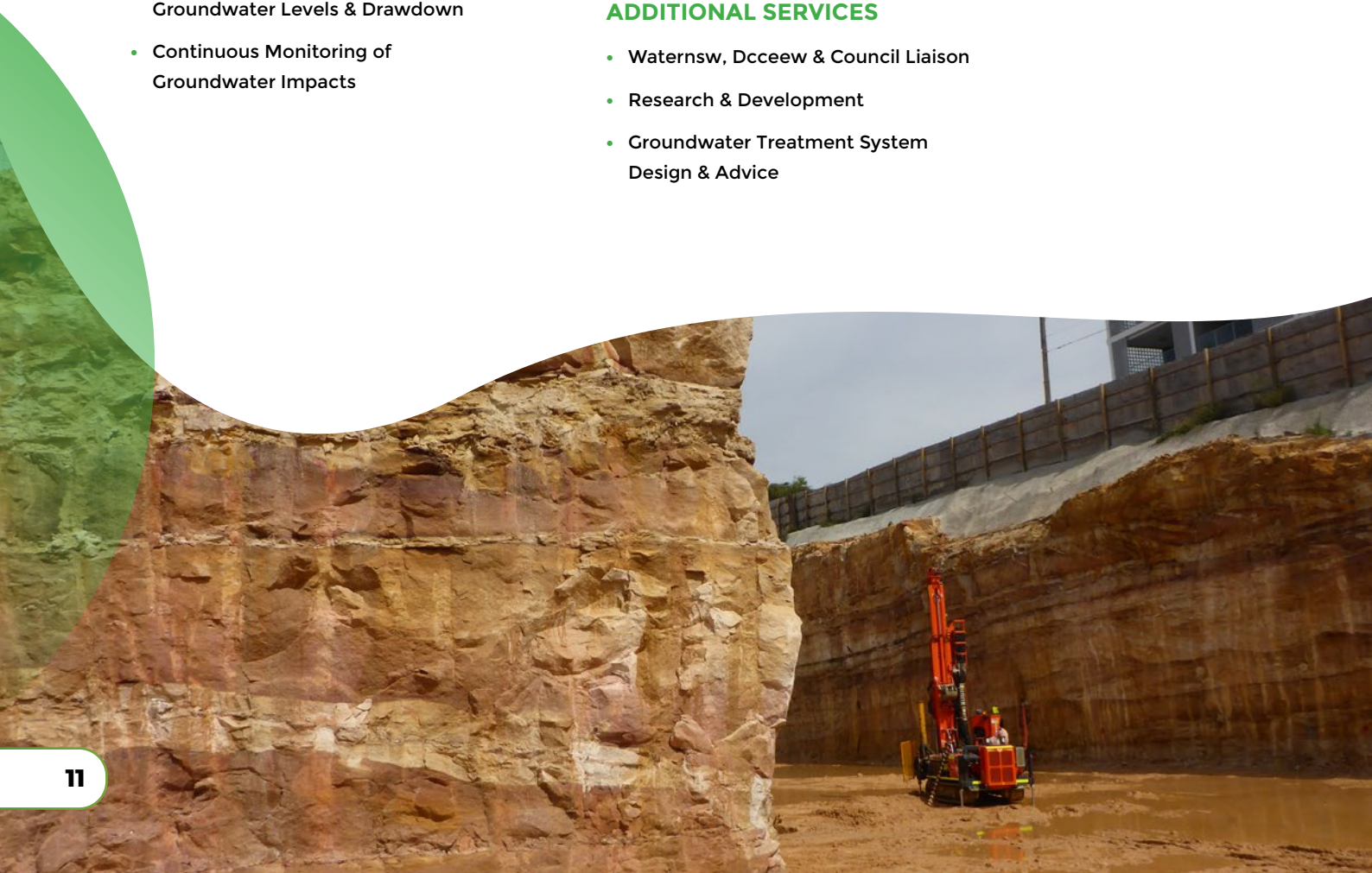
- Drained and Tanked Basements
- Challenging Soils & Site Constraints

GROUNDWATER AND DEWATERING ASSESSMENTS, MODELLING AND REPORTING

- Dewatering Management Plan
- Groundwater Seepage Analysis
- 2D & 3D Geotechnical Finite Element Modelling
- Hydrogeological Assessments

ADDITIONAL SERVICES

- WaterNSW, DCCEEW & Council Liaison
- Research & Development
- Groundwater Treatment System Design & Advice



HAZARDOUS MATERIALS

Hazardous materials in building construction continue to pose significant health and environmental risks, particularly in older structures. Materials such as asbestos, Polychlorinated biphenyls (PCBs) and lead-based paints require meticulous management and remediation. El Australia is dedicated to providing professional, compliant, and effective hazardous materials management solutions. Our licensed assessors and industry experts are equipped to handle these challenges with precision and expertise, ensuring safety and regulatory adherence.

HAZARDOUS MATERIAL SURVEYS

- Assessments
- Risk Registers
- Compliance Surveys

MANAGEMENT PLANS

- Remediation Action Plans
- Asbestos Management Plans
- Lead-Based Paint Management Plans
- Hazardous Materials Management Plans
- Environmental Management Plans
- Construction & Environmental Management Plans

CLEARANCE INSPECTIONS

- Competent Person Clearance Inspections for Non-Friable (i.e. Bonded) Asbestos
- Licensed Asbestos Assessor Clearance Inspections for Friable Asbestos

AIR MONITORING

- Asbestos Fibre Air Monitoring
- Clearance Monitoring
- Personal Monitoring

ADDITIONAL SERVICES

- Managing Hazardous Materials & Asbestos Remediation Projects from Start to Finish
- Mould Assessments



MARKET SECTORS



RESIDENTIAL



COMMERCIAL



INDUSTRIAL



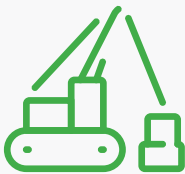
LAND SUB-DIVISION



CONSTRUCTION



LAND DEVELOPMENT



DEMOLITION



HEALTH



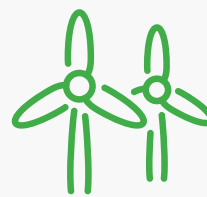
EDUCATION



TRANSPORT



INFRASTRUCTURE



RENEWABLE ENERGY



El Australia provides integrated specialists services across a large number of market sectors.



DEFENCE



AIRPORTS



MINING



RETAIL



WATER



SPORTS & RECREATION

RECENT PROJECTS



ASHBURY CORONATION

- Environmental
- Geotechnical



NARELLAN LANDFILL DARTWEST & ELIYARD GARDENS

- Environmental
- Harzardous Materials
- Geotechnical



WILLOUGHBY DASCO

- Civil
- Structural
- Environmental
- Groundwater



KENSINGTON INFINITY

- Civil
- Structural
- Environmental
- Geotechnical
- Groundwater
- Harzardous Materials



MERRYLANDS ALAND

- Structural
- Geotechnical



ALEXANDRIA CEEROSE

- Civil
- Structural
- Environmental
- Geotechnical
- Groundwater
- Harzardous Materials



MACQUARIE PARK HOLDMARK

- Structural Design & Construction



MASCOT TOWERS KUATRO & IRONBROOK

- Structural Rectification



WATERLOO FIRST QUADRANT & WALTER PROJECTS

- Structural
- Geotechnical
- Environmental



CHATSWOOD FJC STUDIO

- Structural Design & Construction



ULTIMO LANDREAM

- Structural
- Groundwater
- Environmental
- Harzardous Materials
- Geotechnical



BONDI JUNCTION LORDS GROUP

- Structural Design & Construction
- Environmental
- Geotechnical

RECENT PROJECTS



CONCORD HOSPITAL MOITS, LIPMAN & ROBERTS CO

- Environmental
- Groundwater
- Geotechnical
- Harzardous Materials



NORWEST MULPHA

- Environmental
- Groundwater
- Geotechnical



WENTWORTH POINT SEKISUI, CHALOUHI, PARKVIEW

- Environmental
- Geotechnical



SYDNEY AIRPORT FULTON HOGAN

- Environmental
- Harzardous Materials
- Geotechnical



MILSONS POINT AQUALAND

- Environmental
- Groundwater
- Geotechnical
- Harzardous Materials



BULLI HOSPITAL RICHARD CROOKES

- Environmental
- Harzardous Materials
- Geotechnical



THE NORTHERN ROAD

ACCIONA & LENDLEASE

- Environmental



WOLLONGONG

TQM

- Environmental
- Geotechnical



MORTLAKE

HOLDMARK

- Environmental
- Geotechnical
- Groundwater
- Harzardous Materials



ROCKDALE

DEICORP

- Environmental
- Geotechnical
- Groundwater
- Harzardous Materials



NORTH SHORE PRIVATE HOSPITAL

MOITS & MULTIPLEX

- Environmental



TALLAWONG

LANDCOM

- Environmental
- Geotechnical
- Groundwater

WHY CHOOSE EI AUSTRALIA



DIVERSE EXPERTISE

Our multi-disciplinary team includes experts in environmental, hazardous, geotechnical, structural and civil engineering. This diversity allows us to offer comprehensive solutions that address multiple aspects of your project within one company.



LONG-TERM PARTNERSHIPS

At EI Australia, our commitment to our clients extends beyond project completion. We offer ongoing support and guidance, ensuring that our solutions continue to deliver value long after implementation. 81% of our clients work with EI Australia exclusively.



DIRECT COMMUNICATION

We pride ourselves on maintaining a direct access, personalised service with open lines of communication with our clients. By providing direct access to our engineers, scientists, directors or any other key EI members, we ensure a swift, seamless project experience from start to finish.



PROVEN TRACK RECORD

With 30 years of experience, EI Australia has built a reputation for reliability, adaptability and engineering excellence. Our long history of successful projects speaks volumes in regards to our ability to deliver outstanding results, time and again. EI Australia brings a depth of knowledge and insight that sets us apart.



SUSTAINABILITY

We are dedicated to promoting environmentally responsible practises and sustainable development, ensuring that our expertise benefit both present and future generations.



INNOVATION

We embrace cutting-edge technology and creative problem-solving to deliver forward-thinking solutions that meet the ever evolving needs of our clients and the industry.

TESTIMONIALS

“For the past 10 years, EI Australia has been an invaluable partner to Sekisui House and our developments. Their multidisciplinary team has consistently provided professional, time-efficient, and cost-effective solutions for our projects. EI Australia’s expertise and dedication is always available when we need it. We look forward to continuing our successful collaboration with them for many more years to come.”



“The EI Australia team have been a huge asset for our projects over the past 15 years, saving us both time and money. We trust them to make the most beneficial decisions and recommendations for our projects. The professionalism and availability of their team have consistently exceeded our expectations. We highly recommend working with EI Australia.”



“EI Australia has been a significant partner to Deicorp, providing their expertise across numerous projects over the years. The EI Australia team exemplifies professionalism, reliability, and a proactive approach, ensuring our projects are always executed smoothly and effectively. Their dedication to client satisfaction, the ability to discuss directly with their engineering teams and their comprehensive range of services, from contamination to geotechnical engineering, make them an invaluable part of our projects. EI Australia has cemented their position as a trusted partner and we expect to continue our success for many more years.”



EI AUSTRALIA HEAD OFFICE



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OFFICE LOCATIONS

AUSTRALIA

-  SYDNEY
-  BRISBANE
-  MELBOURNE
-  ACT
-  GOLD COAST
-  WOOLONGONG
-  NEWCASTLE

NEW ZEALAND

-  AUCKLAND
-  CHRISTCHURCH
-  QUEENSTOWN





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