



Company Capability Statement





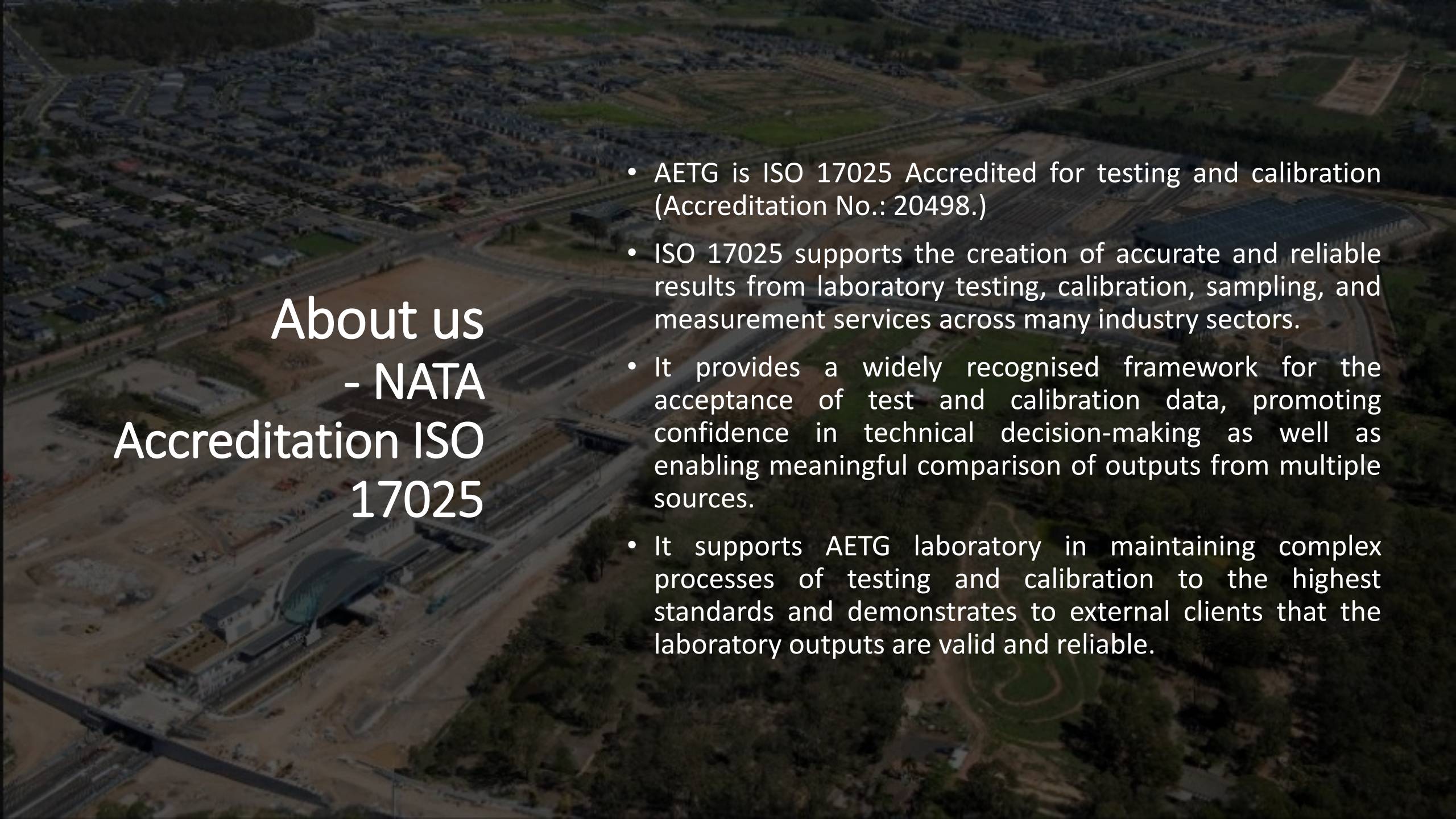
Atlas Engineering and Technology Group

- Atlas Engineering and Technology Group Pty Ltd (AETG) is a leading provider of Environmental, Geotechnical, Soil Testing, Occupational Hygiene and design services within Australia. AETG aims to provide our clients with practical solutions through the successful integration of industry experience, innovative practices and technical excellence.
- Our dedicated team of Engineers and Technicians provide a range of environmental, occupational hygiene, geotechnical, laboratory, detailed design and drilling services, tailored to address our client's objectives and goals in accordance with the appropriate legislation and guidelines

An aerial photograph of a city, likely Melbourne, Australia, showing a large stadium with a distinctive green, curved roof (Melbourne Cricket Ground) and surrounding urban development. The image is darkened to serve as a background for text.

NATA

- NATA is Australia's leading national accreditation body, recognised by government to assess organisations against a number of international standards for laboratories, inspection bodies, proficiency testing scheme providers and reference material producers.
- NATA provides accreditation services to conformity assessment bodies which facilitate stakeholders having confidence in test, measurement and inspection data and thus enabling them to gain national and international acceptance of their products and services.
- Accreditation by NATA demonstrates an organisation is meeting or exceeding minimum standards in the production and delivery of its conformity assessment activities.



About us - NATA Accreditation ISO 17025

- AETG is ISO 17025 Accredited for testing and calibration (Accreditation No.: 20498.)
- ISO 17025 supports the creation of accurate and reliable results from laboratory testing, calibration, sampling, and measurement services across many industry sectors.
- It provides a widely recognised framework for the acceptance of test and calibration data, promoting confidence in technical decision-making as well as enabling meaningful comparison of outputs from multiple sources.
- It supports AETG laboratory in maintaining complex processes of testing and calibration to the highest standards and demonstrates to external clients that the laboratory outputs are valid and reliable.



About us

- Accreditation

ISO 9001,14001 &45001

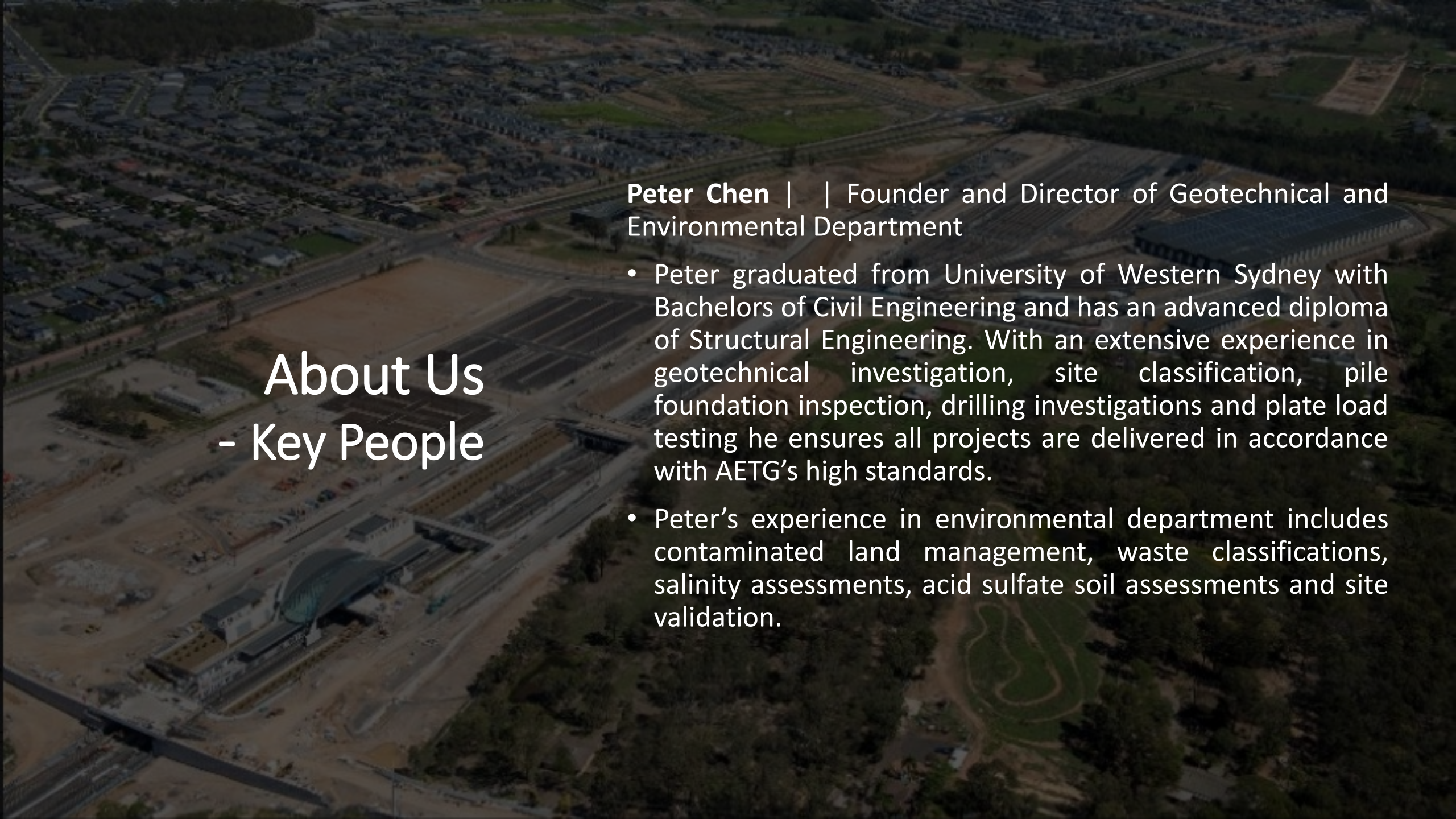
- AETG's ISO 9001 certification ensures that our procedures are fully documented, regularly audited, and continually improved to meet client, regulatory, and industry requirements. We maintain strict quality control measures, use calibrated and well-maintained equipment, and ensure our personnel are appropriately trained and competent.
- Our ISO 14001-certified laboratory operates under an internationally recognised Environmental Management System (EMS) that demonstrates a strong commitment to protecting the environment and managing impacts responsibly.
- Our laboratory operates in full compliance with ISO 45001 – Occupational Health and Safety Management Systems, demonstrating our commitment to providing a safe and healthy workplace for employees, clients, and visitors. Certification to ISO 45001 ensures that all testing, inspection, and site activities are performed under a structured framework that systematically identifies hazards, assesses risks, and implements effective control measures.



About Us - Key People

Mahmudul Hossain | Founder and Director | Finance, Business Development and Laboratory

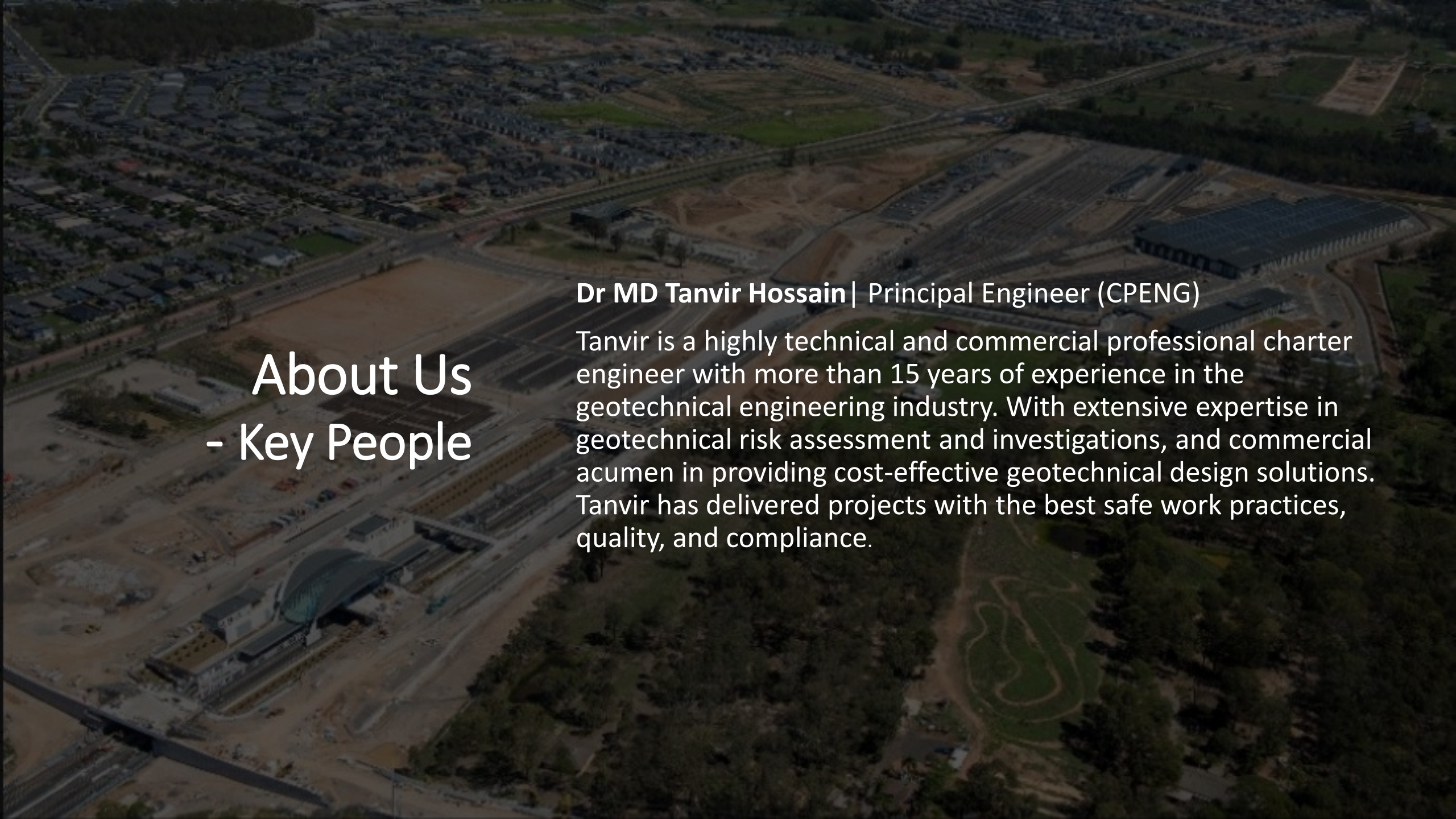
- Mahmudul has graduated from University of Western Sydney with Bachelors of Business and Economics. With hands-on management approach and active involvement in project delivery and quality management, he ensures that AETG delivers innovative, high-quality solutions in every project.
- Mahmudul is also involved in maintaining AETG's NATA accreditation for Technical Compliance as well as in ISO 9001, ISO 45001 and ISO 14001.

An aerial photograph of a city, likely Sydney, Australia, featuring a large stadium with a distinctive green, domed roof. The stadium is surrounded by parking lots, roads, and other urban infrastructure. The background shows a dense residential area with many houses and trees. The image is used as a background for a presentation slide.

About Us - Key People

Peter Chen | | Founder and Director of Geotechnical and Environmental Department

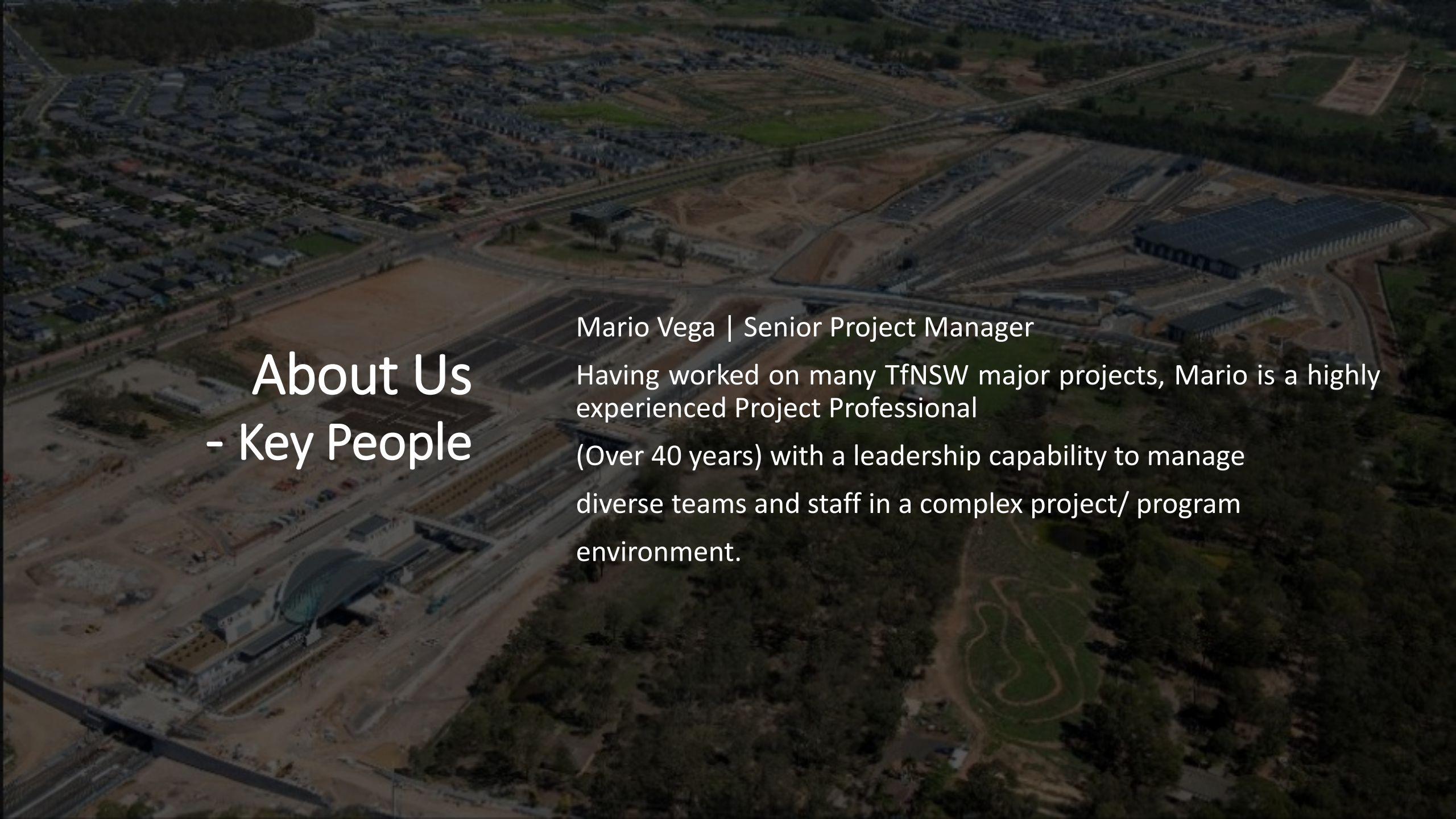
- Peter graduated from University of Western Sydney with Bachelors of Civil Engineering and has an advanced diploma of Structural Engineering. With an extensive experience in geotechnical investigation, site classification, pile foundation inspection, drilling investigations and plate load testing he ensures all projects are delivered in accordance with AETG's high standards.
- Peter's experience in environmental department includes contaminated land management, waste classifications, salinity assessments, acid sulfate soil assessments and site validation.

An aerial photograph of a city, likely Los Angeles, showing a large stadium with a distinctive green, domed roof (SoFi Stadium) in the lower-left quadrant. The stadium is surrounded by parking lots and some commercial buildings. In the background, there are residential neighborhoods with many houses and some green spaces. The overall image has a dark, semi-transparent overlay, making the white text stand out.

About Us - Key People

Dr MD Tanvir Hossain | Principal Engineer (CPENG)

Tanvir is a highly technical and commercial professional charter engineer with more than 15 years of experience in the geotechnical engineering industry. With extensive expertise in geotechnical risk assessment and investigations, and commercial acumen in providing cost-effective geotechnical design solutions. Tanvir has delivered projects with the best safe work practices, quality, and compliance.

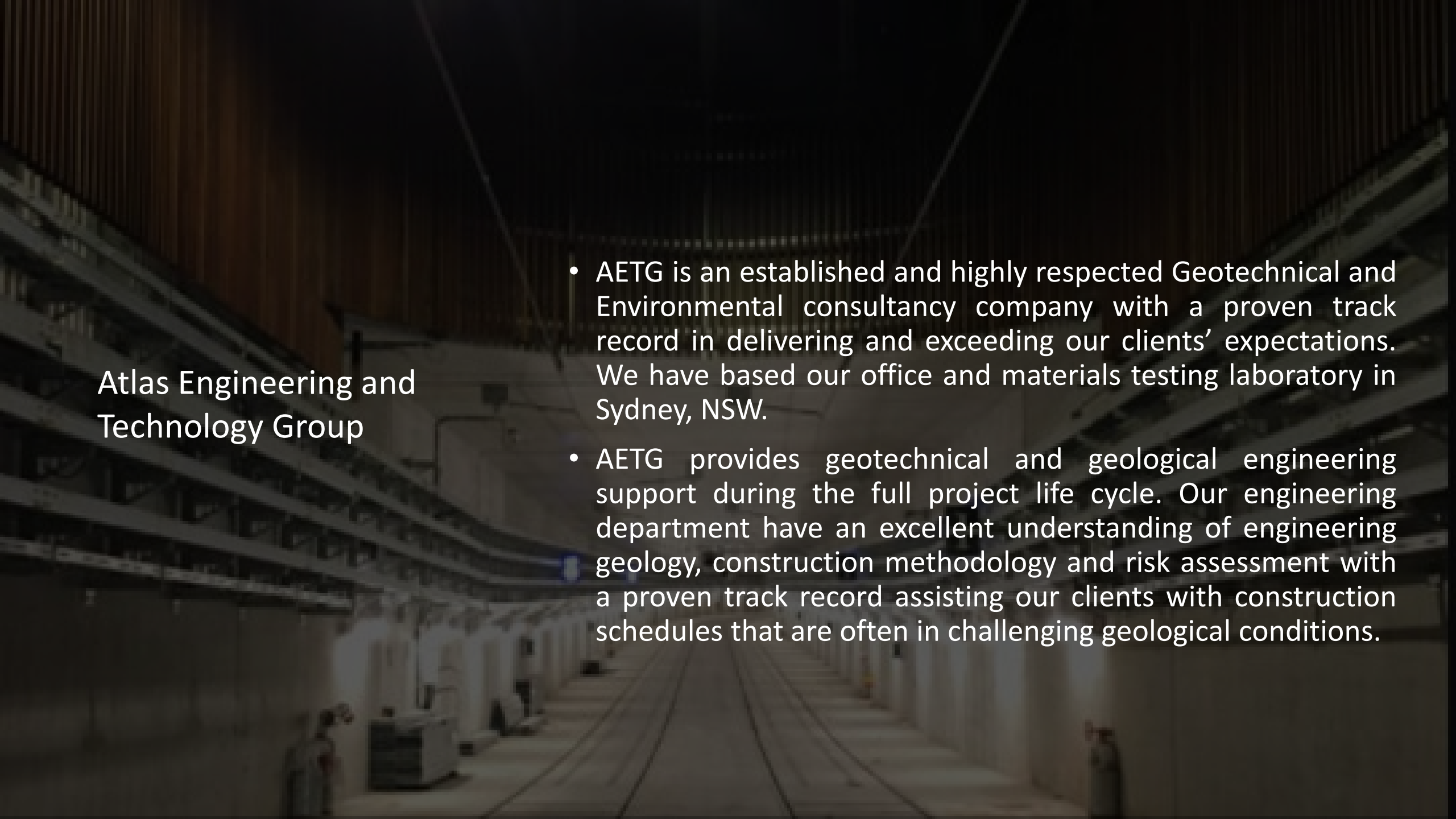


About Us - Key People

Mario Vega | Senior Project Manager

Having worked on many TfNSW major projects, Mario is a highly experienced Project Professional

(Over 40 years) with a leadership capability to manage diverse teams and staff in a complex project/ program environment.



Atlas Engineering and Technology Group

- AETG is an established and highly respected Geotechnical and Environmental consultancy company with a proven track record in delivering and exceeding our clients' expectations. We have based our office and materials testing laboratory in Sydney, NSW.
- AETG provides geotechnical and geological engineering support during the full project life cycle. Our engineering department have an excellent understanding of engineering geology, construction methodology and risk assessment with a proven track record assisting our clients with construction schedules that are often in challenging geological conditions.

Geotechnical & Environmental Solutions

Geotechnical

- Time delays prior to or during construction can end up being expensive, we understand this and provide geotechnical engineering services with a view to getting the project started and keeping it moving forward.

Environmental

- Our highly experienced environmental team navigate complex regulations and simplify the environmental approvals process providing certainty and avoiding delays with regulatory approval or construction project schedules.

Testing

- Soil and rock mechanics to earthworks conformance, we use the international standard procedure. Our laboratory and field staff are leaders. We provide the best onsite advice during the construction phase and provide the result on time, on budget and professionally.

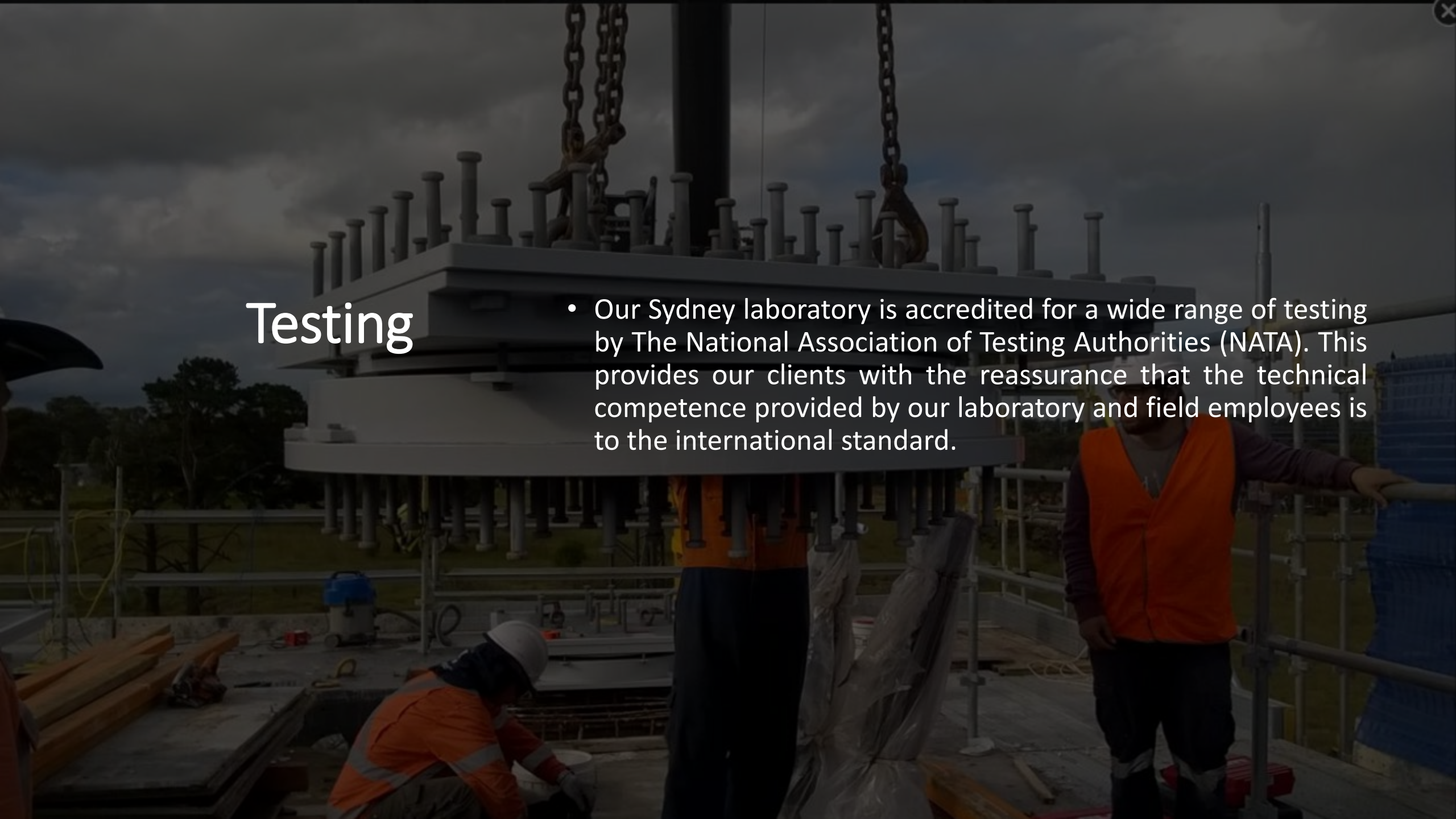
The background image shows a construction site under a clear sky. In the foreground, a yellow JCB roller is working on a dirt and gravel surface. Behind it, a yellow CAT bulldozer is visible. In the far background, there are large industrial buildings, one of which has the 'jaycar' logo on its side. A white truck is partially visible on the left.

Geotechnical & Environmental Solutions

- Residential - Civil - Commercial - Infrastructure
Geotechnical & Environmental solutions
- The right information to make the right decisions
Essential for cost effective design
- Environmental solutions 'from start to finish' We help navigate and simplify the process

Testing

- Our Sydney laboratory is accredited for a wide range of testing by The National Association of Testing Authorities (NATA). This provides our clients with the reassurance that the technical competence provided by our laboratory and field employees is to the international standard.





Commitment to Quality

At AETG, we aim to deliver services that are safe, compliant and preferred. We achieve this goal by continuously monitoring, evaluating, reviewing and improving our services and management systems while focusing on client satisfaction and innovation.

Our Commitment:

- Provide engineering & environmental consulting services that exceed the client's expectations Embracing continuous improvement and innovation in our testing laboratory.
- Ensuring compliance with applicable accreditations, statutory and regulatory requirements Provide an employment environment where continuous improvement is encouraged.



Our Team

- The strength of **Atlas Engineering & Technology Group (AETG)** lies in its people. Our team brings together highly qualified geotechnical engineers, environmental specialists, construction materials technicians, and field professionals with extensive experience across infrastructure, utilities, and development projects throughout Australia.
- AETG's professionals combine strong technical expertise with practical industry knowledge gained from major TfNSW, Sydney Water, and civil infrastructure projects. Our engineers and technicians are trained in the latest Australian Standards, NATA testing requirements, and client-specific procedures, ensuring that all investigations, sampling, and testing are performed accurately, safely, and efficiently.



GEOTECHNICAL SERVICES AND ENGINEERING

- INVESTIGATIONS
- CPS DESIGN
- SITE MONITORING
- SITE INSPECTIONS
- EXPERT SERVICES
- Plaxis 2D and 3D Modeling

GEOTECHNICAL SERVICES AND ENGINEERING

INVESTIGATIONS	SITE INSPECTIONS	SITE MONITORING
Geotechnical Investigations	Shoring Design & Review	Inclinometers
Groundwater Assessments	Piling / Crane Platforms	Vibration Monitoring
Lot / Site Classification	Slope Stability Analysis	Settlement Monitoring
Slope Stability Assessment	Trench Stability Inspections	Pile / Crane Assessment
Geotechnical Modelling	Bearing Capacity Assessments	Plate Load Testing
Pavement Thickness Design	Foundation Inspections	Earthworks Inspections
Geotechnical Peer Review	Expert Witness	Pile Integrity Testing

**SYDNEY
LABORATORY
SERVICES**

- Soil & rock mechanics
- Earthworks & compaction
- Materials conformance

- 
- # SYDNEY LABORATORY SERVICES
- Soil & rock mechanics
 - Earthworks & compaction
 - Materials conformance

SYDNEY LABORATORY SERVICES

Soil & rock mechanics	Physio-Chemical	Earthworks & Compaction
Triaxial (UU)/Triaxial (UCS) - Cohesive Soil	Particle Density	Earthworks Level 1 Conformance
Soil Direct Shear	Particle Size Distribution	Earthworks & Pavement Compaction Testing
Free Swell	Soluble Salt Content of Soil	Soil Stabilisation
Collapse/Swell Strain	Slake Durability	Plate Load Testing
Magnitude of Swell	Rock Clay Mineralogy	Test Roll Inspections
Stepped Consolidation	Asbestos	Subgrade Inspections
Swelling Pressure Index	Rock Porosity	Thermal Resistivity / Conductivity
Point Load Testing	Emerson Class	CBR – California Bearing Ratio
UCS Testing (Rock/Concrete)	Concrete Compressive Strength	Plastic Index & Linear Shrinkage
Foreign Materials Testing	Aggregates	Grading - Particle Size Distribution
Bulk Density	Flakiness - Proportional Calliper	Transport for NSW, Australia



ENVIRONMENTAL SERVICES

- CONTAMINATED LAND
- WASTE MANAGEMENT
- ASBESTOS AND HYGIENE

ENVIRONMENTAL SERVICES

CONTAMINATED LAND	WASTE MANAGEMENT	ASBESTOS AND HYGIENE
Environmental Due Diligence	Waste (soil) Classification	Asbestos in Soil Assessments
Stage 1 – Preliminary Site Investigation	Resource Recovery Exemption	Asbestos & Hazardous Material Surveys
Stage 2 – Detailed Site Investigation	Salinity and Aggressivity Assessments	Asbestos Management Plans
Remediation Management & Validation	Environmental Groundwater Monitoring	Asbestos Air Monitoring
Imported Fill Material Assessments	Diamond Coring – NLMC Rotary Mud Drilling	Asbestos Removal Supervision



OCCUPATIONAL HEALTH & SAFETY, AIR QUALITY

- Hazardous materials surveys and management
- Airborne dust, vapour, fume and mist assessments
- Noise assessments
- Occupational Hygienist Supervision
- Indoor and outdoor air quality testing and assessment of plant/equipment emissions

Industry Relationships



HASLIN



Parramatta Light Rai

NorthConnex



RICHARD CROOKES
CONSTRUCTIONS



FERRYCARRI
CIVIL CONTRACTIN

ATTCALL



CONTRACTORS

JOHN
HOLLAND

AUSTRALIA'S BIGGEST
CONSTRUCTION COMPANIES



Transport
Sydney Trains



Affiliations



THE UNIVERSITY OF
SYDNEY



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



Sydney
WATER
ACCREDITED

WESTERN SYDNEY
UNIVERSITY





+25 Km

OF INFRASTRUCTURE

SYDNEY LIGHT RAIL



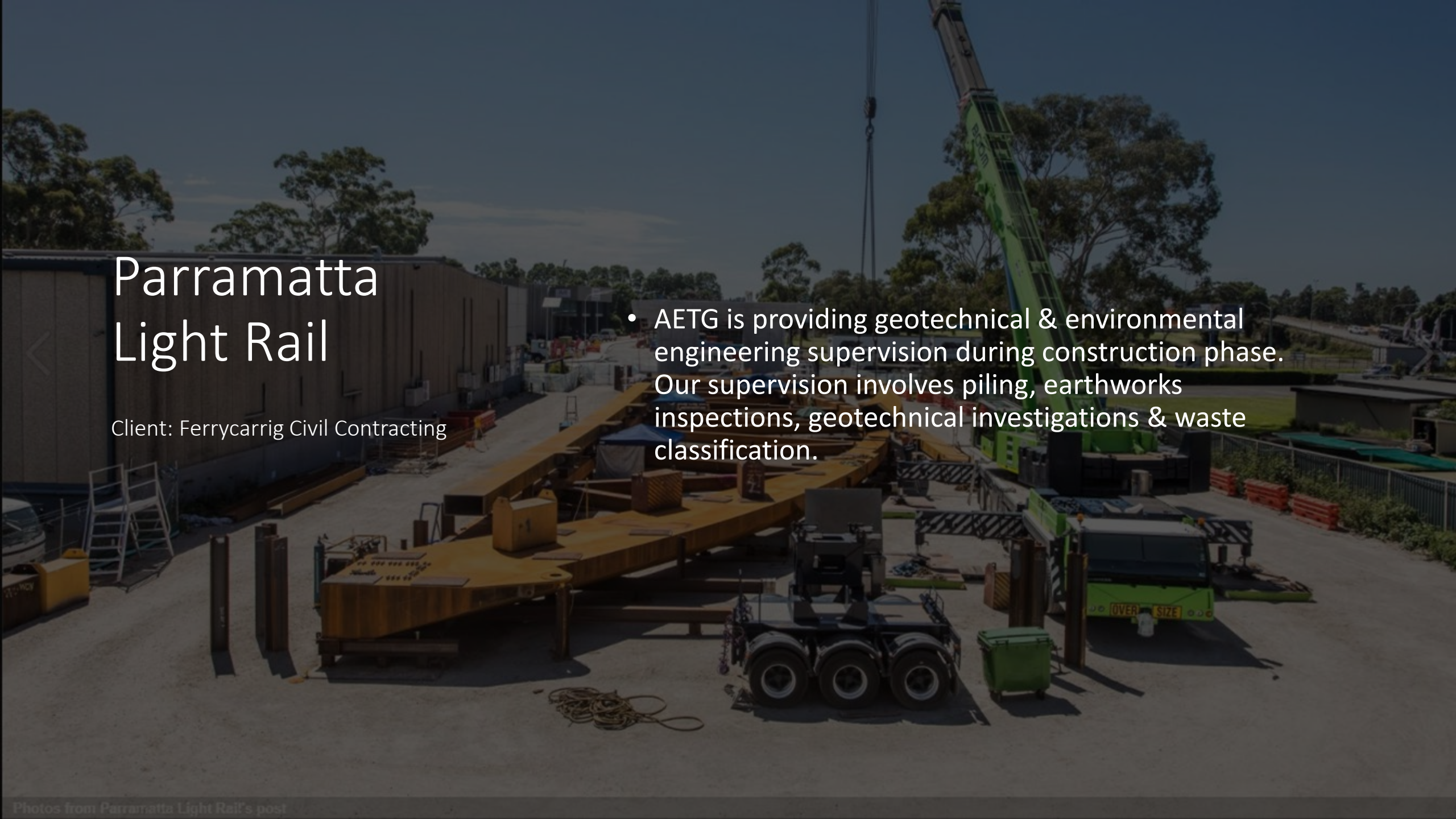
TRANSPORT

| AUSTRALIA



TRANSPORT

- Job title: Sydney Light Rail
- Client: Acciona
- Description of project: Intersection widening inclusive of services relocation and installation, construction of footpaths and retaining walls, pavement widening and new pavement construction.
- AETG have undertaken a range of works on the Sydney Light Rail project with practical input and results that have been very well received. These services include, CBR testing, Cone Penetration testing for verification and assessment of ground conditions; temporary sheet pile shoring designs for building and structure excavations; earthworks compaction and verification testing.



Parramatta Light Rail

Client: Ferrycarrig Civil Contracting

- AETG is providing geotechnical & environmental engineering supervision during construction phase. Our supervision involves piling, earthworks inspections, geotechnical investigations & waste classification.

WE38 Liverpool Culvert Upgrade

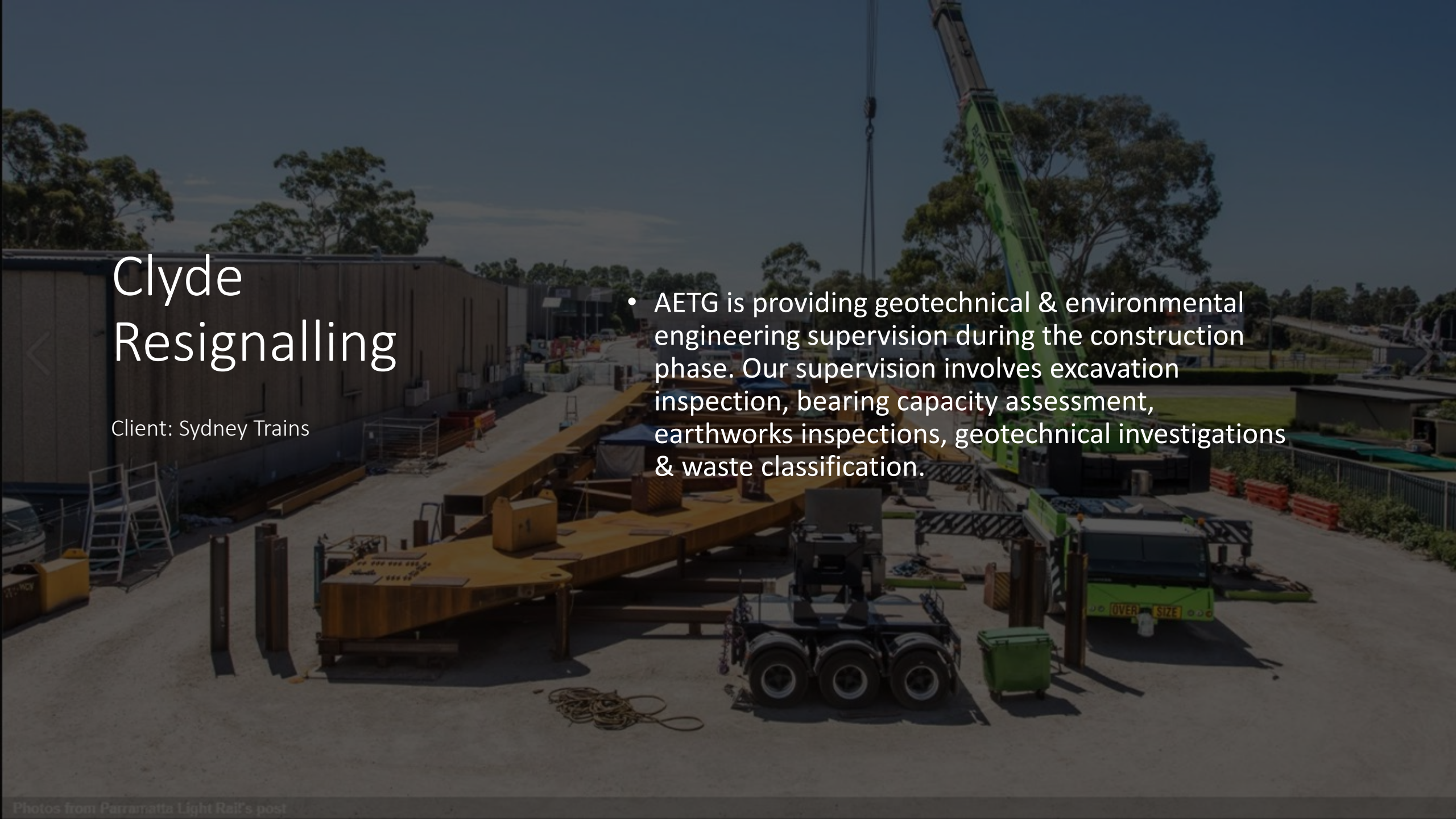
Client: Sydney Trains

- AETG has provided geotechnical & environmental engineering supervision during the construction phase. Our supervision involved excavation inspection, bearing capacity assessment, earthworks inspections, geotechnical investigations & waste classification.

Clyde Resignalling

Client: Sydney Trains

- AETG is providing geotechnical & environmental engineering supervision during the construction phase. Our supervision involves excavation inspection, bearing capacity assessment, earthworks inspections, geotechnical investigations & waste classification.



SY-55

Client: Attcall Civil

- AETG is providing geotechnical and environmental engineering supervision
- Supervision involves piling, earthworks inspections, geotechnical investigations
- Pavement Design
- Level-1 earthworks
- Earth compaction and moisture capacity



Promac (Prospect to Macarthur Link)

Client: Ferrycarrig

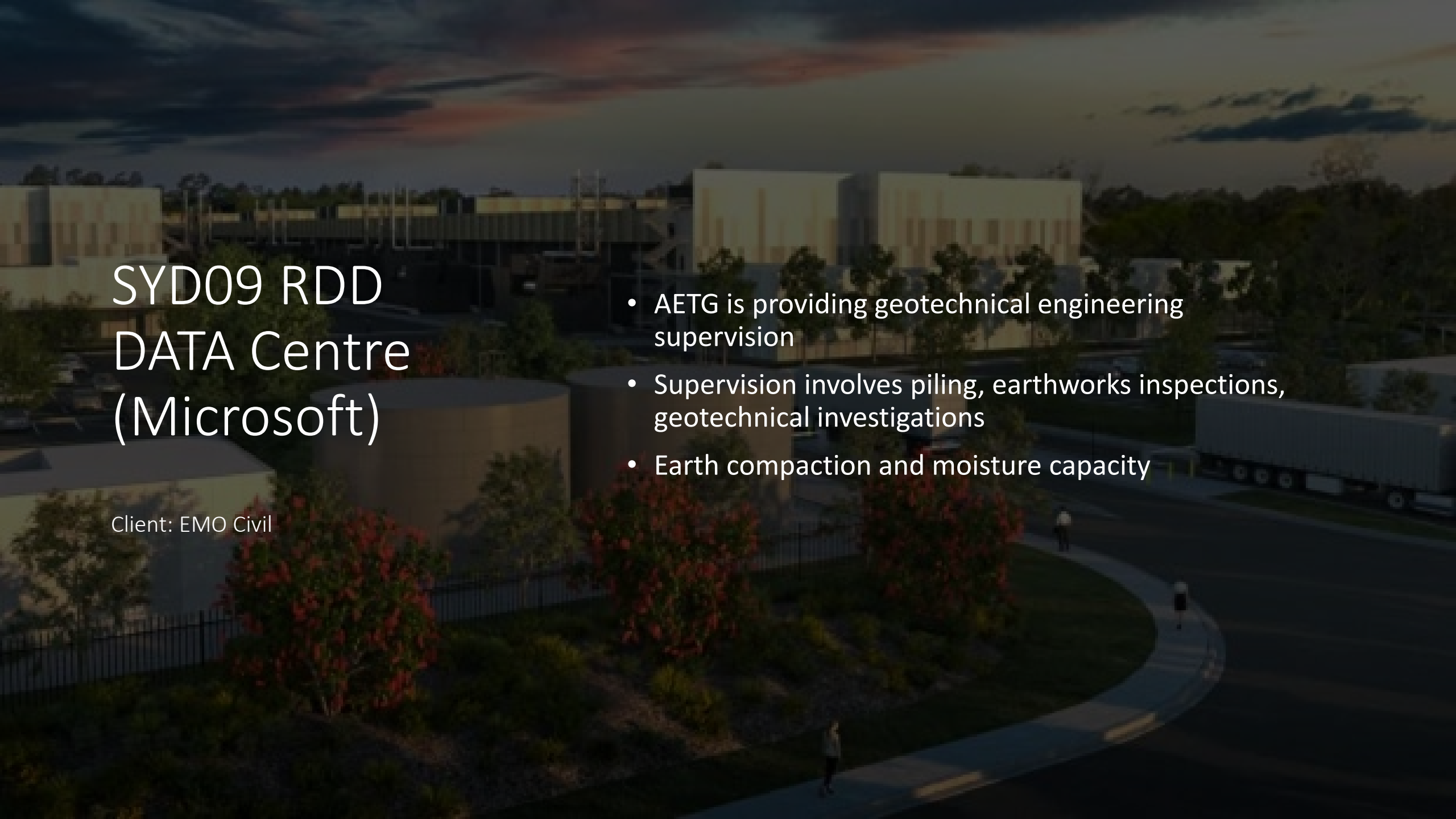
- AETG is providing geotechnical and environmental engineering supervision
- Supervision involves piling, earthworks inspections, geotechnical investigations
- Level-1 earthworks
- Earth compaction and moisture capacity



SY9

Client: Ferrycarrig Constructions

- AETG is providing geotechnical and environmental engineering supervision
- Supervision involves piling, earthworks inspections, geotechnical investigations
- Level-1 earthworks
- Earth compaction and moisture capacity

An architectural rendering of the SYD09 RDD DATA Centre at dusk. The image shows several large, modern, rectangular buildings with light-colored facades and dark roofs. The buildings are surrounded by landscaped areas with trees and shrubs. A curved walkway or road is visible in the foreground, with a few small figures of people walking. The sky is dark with some clouds, and the overall lighting is dim, suggesting twilight.

SYD09 RDD DATA Centre (Microsoft)

Client: EMO Civil

- AETG is providing geotechnical engineering supervision
- Supervision involves piling, earthworks inspections, geotechnical investigations
- Earth compaction and moisture capacity

Defence Base Orchard Hills

Client: Nace Civil Engineering

- AETG is providing geotechnical and environmental engineering supervision
- Supervision involves piling, earthworks inspections, geotechnical investigations
- Earth compaction and moisture capacity

DEFENCE ESTABLISHMENT
ORCHARD HILLS



Among other
projects
we have
worked on

- Sydenham Metro upgrade
- Liverpool Hospital Redevelopment
- Picton High School redevelopment
- OPTUS Corporate head office
- Raby road upgrade project
- North West Rail Link project
- West Connex
- Luxford Road investigation



For more
information
regarding our
services,
please contact
our team

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