talis consultants

ENVIRONMENTAL SERVICES



TALIS CONSULTANTS

Who We Are

Talis, established in 2012, is a dynamic national consultancy with a team of over 130 professionals. With extensive experience across both the public and private sectors, our multidisciplinary team provides expert solutions that are both technically sound and strategically tailored to our clients' needs. Our services include:

ASSETS | ENGINEERING | ENVIRONMENT | SPATIAL | NOISE | WASTE

What We Do Best

1 Fit-for-purpose Solutions

At Talis, we recognise the necessity to develop tailored project solutions that are cost effective and fit for purpose. We pride ourselves on being flexible, dependable and accountable, which is why we enjoy repeat business and maintain longstanding relationships with our clients.

2 End-to-end Environmental Services

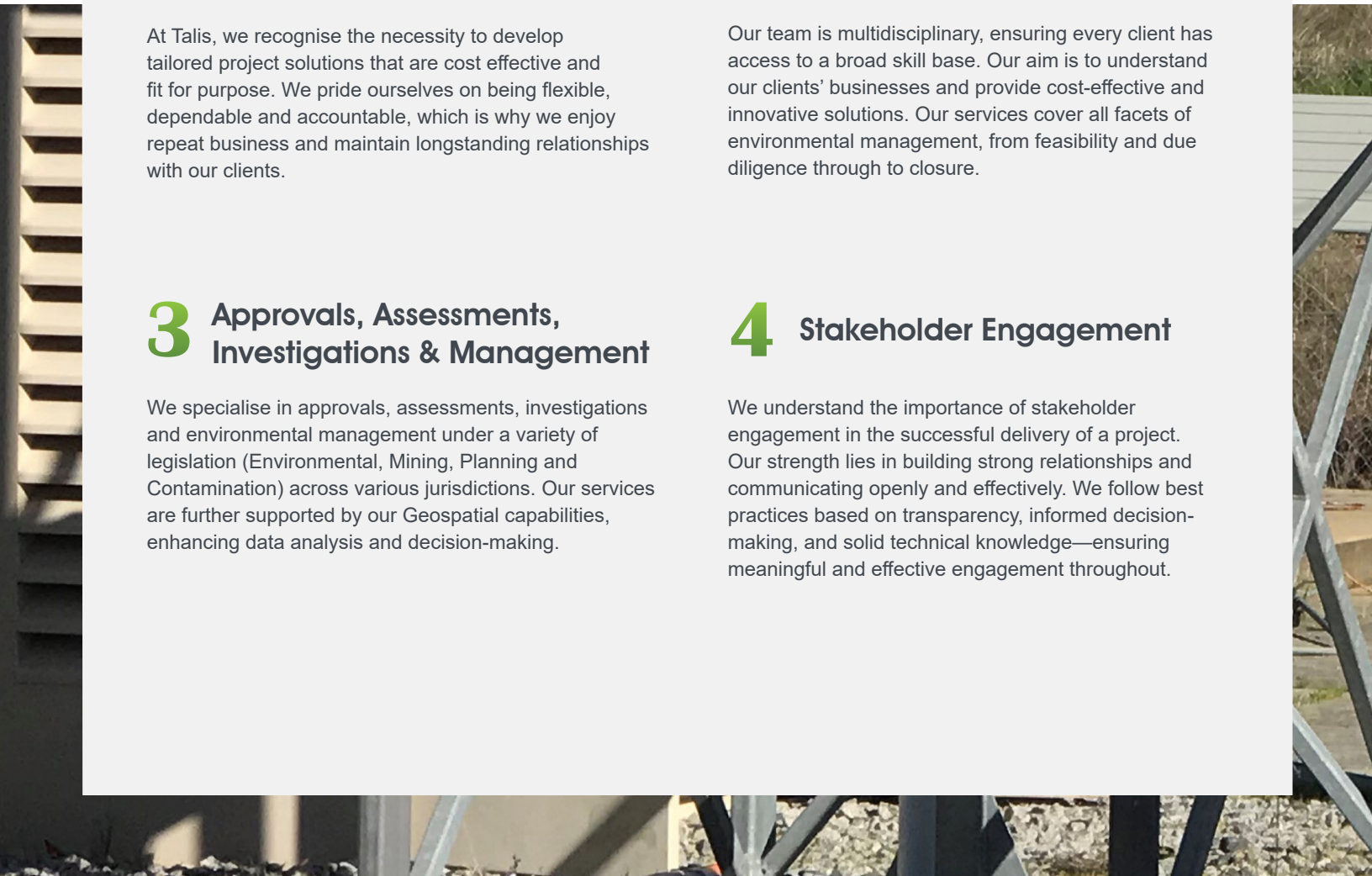
Our team is multidisciplinary, ensuring every client has access to a broad skill base. Our aim is to understand our clients' businesses and provide cost-effective and innovative solutions. Our services cover all facets of environmental management, from feasibility and due diligence through to closure.

3 Approvals, Assessments, Investigations & Management

We specialise in approvals, assessments, investigations and environmental management under a variety of legislation (Environmental, Mining, Planning and Contamination) across various jurisdictions. Our services are further supported by our Geospatial capabilities, enhancing data analysis and decision-making.

4 Stakeholder Engagement

We understand the importance of stakeholder engagement in the successful delivery of a project. Our strength lies in building strong relationships and communicating openly and effectively. We follow best practices based on transparency, informed decision-making, and solid technical knowledge—ensuring meaningful and effective engagement throughout.









CLIENT TESTIMONIAL

"[Camilo] was an absolute pleasure to work with. He was very professional throughout the project. He always responded in a timely manner and double checked that I was happy with the works completed to date. He is the kind of consultant I don't see often nowadays and wish there were more like him." - **Barbara Heemink, HanRoy Environmental and Approvals Specialist**

Approvals and Assessments - Key Services

1. **Approvals & Environmental Impact Assessment (EIA)**
2. **Environmental Management**
3. **Audit & Compliance**
4. **Rehabilitation & Closure**

Across the Entire Project Lifecycle

Talis offers comprehensive expertise in environmental approvals and impact assessments, providing strategic advice and end-to-end support for projects of all sizes. Our services span a wide range of sectors, including mining, industrial, manufacturing, waste facilities, oil and gas, energy, land development, tertiary institutions, and more.

DUE DILIGENCE

- Ecological and Heritage Surveys
- Monitoring and Management Plans
- Strategic Environmental Advice
- Programmes of Work
- Feasibility Studies

APPROVALS

- Environmental Impact Assessment
- Environmental Protection Legislation Referral and Assessment
- Works Approval, Registration, Licence
- Mining Approvals
- Planning Approvals
- Stakeholder Engagement
- Peer Review and Expert Witness
- Ecological and Heritage Surveys

REHABILITATION

- Ecological and Heritage Surveys
- Contamination Sites and Acid Sulfate Soils Investigations
- Water Management
- Rehabilitation Plans
- Materials Assessments

OPERATION

- Monitoring and Management Plans
- Audit and Compliance
- Environmental Reporting (Annual Environmental Report/s, National Pollutant Inventory)
- Mining Rehabilitation Fund (MRF) Reporting
- Advisory Services
- Secondments

CLOSURE

- Compliance
- Mine Closure Plan Preparation and Review
- Contamination Investigations and Remediation
- Post Closure Land Use
- Relinquishment

Approvals and Assessments - Senior Team



ANDREW MACK

DIRECTOR AND NATIONAL ENVIRONMENT LEAD

Andrew brings nearly 30 years' experience in both the public and private sectors. With qualifications in engineering, business, and law, he specialises in approvals, compliance, and impact assessment. His work spans sectors including mining, waste, and land development, covering contamination, pollution, and planning.



ALAYNA MARTIN

SENIOR ENVIRONMENTAL CONSULTANT

Alayna brings over 10 years' experience and is a certified Lead Auditor. She specialises in auditing and managing operational environmental obligations, with expertise in preparing approvals, developing and implementing environmental management plans, and conducting detailed site inspections both onshore and offshore.



JESSICA RADOSEVICH

SENIOR ENVIRONMENTAL CONSULTANT

Jessica brings over 15 years' experience spanning consultancy, State Government, and industry. She specialises in the preparation and submission of regulatory approval documentation and is highly skilled in managing GIS data, an essential tool for both approvals and operational efficiency.



CHRISTELLE DU PLESSIS

PRINCIPAL ENVIRONMENTAL CONSULTANT

Christelle brings over 17 years of experience in environmental approvals, compliance management, impact assessment, and project delivery across the mining, renewable energy, infrastructure, industrial, and agricultural sectors. She has developed approval strategies, managed regulatory processes, coordinated multidisciplinary teams, and delivered practical environmental solutions.



MARGUERITE DONALDSON

PRINCIPAL ENVIRONMENTAL CONSULTANT

Marguerite has over 15 years' experience specialising in soils, waste management infrastructure, mining, and landfill systems. She brings experience leading large teams, supporting environmental approvals, coordinating field investigations, delivering construction-phase support, and quality assurance.



EMMA MONTGOMERY

SENIOR ENVIRONMENTAL CONSULTANT

Emma has over 20 years' experience in environmental impact assessments, regulatory approvals, and project coordination. She has worked with regulators and government bodies, ensuring compliance and the delivery of high-quality documentation to support planning and approval processes.

CLIENT TESTIMONIAL

"It was very evident that [Alayna] had significant site experience, knowledge of EMS, and understood the common pitfalls associated with mining/construction projects. The level of detail that she covered was truly impressive, all while maintaining a high level of professionalism at all times." **- Stuart McKinnon, Mineral Resources Senior Environmental Advisor**

Approvals and Assessment - Key Projects

CLIENT: Bulletin Resources Limited
PROJECT: EEMP - WA

Talis developed an Exploration Environment Management Plan (EEMP) for the proposed exploration drilling works. The document outlines management methods for environmental impacts and establishes controls to prevent significant effects on the environment and Matters of National Environmental Significance.

CLIENT: Medallion Metals Limited
PROJECT: Conservation Management Plan (CMP) - WA

Talis developed a CMP to provide background environmental information to support environmental applications put forth by Medallion for the Jerdacuttup project tenements. This plan outlines control and mitigation measures for how exploration activities will be conducted to minimise impacts to the environment.

CLIENT: Central Queensland University (CQU)
PROJECT: Environmental Management Plan (EMPs) - QLD

Talis was engaged by CQU to develop two comprehensive EMPs for their Bundaberg and Rockhampton North Campuses. The goal was to integrate sustainability seamlessly into key operations and infrastructure such as teaching facilities, admin and staff areas, parking, and residential precincts.

CLIENT: NCIA
PROJECT: Compliance Audit - NSW

Talis was engaged by National Ceramic Industries Australia (NCIA) to perform a Mandatory Independent Environmental Compliance Audit at its Rutherford tile factory. The audit evaluated NCIA's environmental performance to ensure compliance with the relevant standards and statutory requirements.

CLIENT: St Ives Gold Mining Company
PROJECT: Renewables Project Mining Proposal - WA

Talis prepared the Mining Proposal for the St Ives Hybrid Microgrid Project (SIHMP), a significant renewable energy solution for St Ives operations in WA. The proposed power supply system incorporates wind turbines, solar array, battery energy storage, a thermal generation plant, and a supporting transmission package.

CLIENT: Sandvik
PROJECT: Phase 1 Audit - QLD

This audit aimed to assess potential environmental liabilities at Sandvik Mining and Construction Pty Ltd's workshop in Townsville. The audit was conducted using a Phase 1 Environmental Audit Protocol developed by Talis, which involved interviews, document reviews, and detailed site inspections, along with photography.

CLIENT: DSI Underground
PROJECT: Phase 1 Audit - NSW

Talis conducted a Phase 1 environmental audit at four locations to assess potential environmental liabilities tied to the site. Using our Phase 1 Environmental Audit Protocol, Talis performed a detailed site inspection that included photography and interviews, followed by a desktop review of relevant documentation.

CLIENT: Lunnon Metals Ltd
PROJECT: Mine Closure Plan - WA

Talis was engaged by Lunnon Metals Limited to compile a consolidated Mine Closure Plan (MCP) for the Kambalda Gold and Nickel Project (KGNP). The KGNP includes 10 mining leases and nickel rights on tenements held by St Ives Gold Mining Co, consolidating previous MCPs and adding seven more tenements.









Environmental Investigations

Contaminated Site Investigations

- Preliminary Site Investigations
- Detailed Site Investigations
- Sampling and Analysis Quality Plans
- Human Health and Ecological Health Assessments
- Remediation Option Appraisals
- Remediation Strategies, Validation, and Supervising
- Groundwater and Surface Water Monitoring
- Landfill Gas and Vapour Assessment
- Pre/post Occupation Assessments
- Technical and Peer Review
- Ongoing Site Management Plans
- Waste Classification and Soil Management
- Per- and Polyfluoroalkyl Substances (PFAS)

Hydrogeological Investigations

- Hydrogeological Intrusive Investigations
- Aquifer Parameter Testing
- Geochemical Assessment
- LandSim modelling
- Hydrogeological Risk Assessments
- Compliance Monitoring and Reporting
- Technical and Peer Review
- Dewatering Assessment
- Irrigation Sustainability Assessments

Acid Sulfate Soils investigations

- Acid Sulfate Soil Investigations
- Baseline Groundwater Assessment
- Development of Monitoring Programs
- Acid Sulfate Soil Management Plans
- Regulatory Compliance
- Dewatering Assessment

Asbestos investigations

- Asbestos in Soils Investigations
- Natural Occurring Asbestos Assessment
- Fibrous Air Quality Assessment
- Remediation Strategies, Validation, and Supervision
- Asbestos Management Plans
- Asbestos Clearance Inspections

Geotechnical Investigations

- Site Classification
- Lot/site classification to AS2870-2011
- GITA Level 1 & 2 Earthworks Supervision
- Laboratory testing on soils and rock
- Dilapidation Survey Reports

Investigations - Senior Team



ANDREW MACK

DIRECTOR AND NATIONAL ENVIRONMENT LEAD

Andrew brings nearly 30 years' experience in both the public and private sectors. With qualifications in engineering, business, and law, he specialises in approvals, compliance, and impact assessment. His work spans sectors including mining, waste, and land development, covering contamination, pollution, and planning.



GEORGE KING

INVESTIGATIONS TEAM LEAD (WEST COAST)

George is an environmental professional with over 24 years' experience, specialising in contaminated land management. He has delivered numerous investigation projects across sectors such as waste, power, mining, and marine. He also maintains strong relationships with regulators, government agencies, and industry leaders.

Investigations - Key Projects

CLIENT: M8 Sustainable Limited
PROJECT: Detailed Site Investigation - WA

Talis conducted a Detailed Site Investigation (DSI) at M8 Sustainable Limited's Maddington site. This investigation aimed to advance contaminated site assessments to meet Department of Water Environmental Regulation (DWER) requirements, and evaluate risks to both on-site and off-site sensitive receptors.

CLIENT: Hanroy
PROJECT: ASSMP - WA

Talis was commissioned by HanRoy to prepare an Acid Sulfate Soils Management Plan (ASSMP) for the construction of a second car dumper (CD2) at their Port Hedland facility. The document was prepared following contemporised and publicly available guidance material, and incorporation of information from previous reports.

CLIENT: The WJ Graham Family Trust
PROJECT: Esperance DSI - WA

Talis conducted a Detailed Site Investigation (DSI) at a commercial site in Esperance, WA, used for office space and an open-air car park. The objective of the DSI was to investigate, delineate and characterise the nature and extent of contamination at the Site through soil and groundwater investigations.

CLIENT: Perth Airport Pty Ltd
PROJECT: PFAS Investigations - WA

Talis undertook a site investigation and prepared a Site Assessment Report for the containment cells associated with the former storage of waste materials containing PFAS within the Perth Airport Estate. Talis also prepared an interim Site Environmental Management Plan for the PFAS stockpile area within the site.

CLIENT: Bega Valley Shire Council
PROJECT: Hydrogeological Investigations - NSW

Talis undertook a hydrogeological investigation to provide relevant data for the Council's proposed expansion of the Central Waste Facility project. The investigation included assessment of groundwater levels, potential development constraints, and impacts on the surrounding environment and groundwater users.

CLIENT: East Gippsland Shire Council
PROJECT: Geotechnical Site Investigation - VIC

Talis was engaged by East Gippsland Shire Council to carry out a geotechnical site investigation for a proposed waste transfer facility. The investigation included excavating trial pits, recording field observations, collecting subsurface samples, and laboratory testing of selected samples.



MICHAEL TICKLE

PRINCIPAL ENVIRONMENTAL CONSULTANT

Michael has over 15 years' experience in contaminated sites and environmental consultancy. He navigates regulatory site-classification processes and develops strategies for clients to manage environmental liabilities associated with their site or portfolio. His broad industry experience across Australia makes him a valued advisor to both public and private sector clients.



MIA BURKETT

PRINICPAL ENVIRONMENTAL CONSULTANT

Darrell has over 25 years in the environmental investigation industry. He has managed complex projects in Australia and the UK, specialising in contaminated land management, land remediation, geotechnical work, and construction phase management. He consistently delivers high-quality, multidisciplinary projects across various sectors.

Geospatial

Advisory Services

We deliver tailored geospatial advice to help define strategic direction and maximise spatial value.

- Spatial Strategies
- Maturity Assessments
- Gap Analyses
- Roadmaps

Visualisation and Analysis

Our team creates high-quality maps that combine storytelling with interactive visualisation, transforming complex data into clear, accessible formats.

- Cartography
- Data Publication
- Geospatial Analyses
- Scenario Modelling

Systems and data

Talis has deep knowledge of diverse systems and technologies used to capture and deliver data that enhances decision-making, operations, and planning.

- Field Capture
- Data Management
- System Design
- Requirement Engineering
- Standards & Governance

Capacity Building

Talis provides bespoke training using your own data to ensure the content is highly relevant and aligned with specific learning objectives.

- Training
- Secondment
- Outsourcing

Ecological

Flora/ Fauna Assessments

We conduct flora and fauna assessments to identify species, evaluate ecosystem health, and inform strategies to mitigate project impacts—especially for endangered or at-risk plants and animals.

Ecological Management Plans

We develop Ecological Management Plans that provide clear, practical guidance to protect and enhance key ecological attributes and biodiversity.

Restoration Plans

We provide ecological restoration services grounded in best practices and expert technical advice—helping you avoid costly errors, accelerate site recovery, and achieve your project goals.

Offset Strategies

Our in-depth understanding of biodiversity offsetting can guide you through its complexities, ensuring a streamlined process across regulatory bodies and compliance with policies and legislation.

Senior Team



KYLA MORRIS

GEOSPATIAL TEAM LEAD

Kyla is a GIS professional with over 12 years of experience in spatial technologies and geospatial information. She has held several senior leadership roles and is proficient in data assessment, error management, and cartography. She has delivered projects for the Australian Army, the Department of Defence, and Main Roads WA.



LOUISA CARLSSON

SENIOR ENVIRONMENTAL CONSULTANT (BIODIVERSITY)

Louisa is an environmental scientist with 5 years' experience in undertaking flora, fauna and vegetation surveys and monitoring across WA. She has strong skills in project management, fieldwork, GIS mapping, and technical reporting and has delivered projects for local governments and clients including Main Roads WA, Fortescue, and BHP.

Geospatial - Key Projects

CLIENT: National Trust of Australia
PROJECT: Heritage Knowledge Repatriation Project - WA

Talis partnered with stakeholder organisations to launch the Heritage Knowledge Repatriation Project, ensuring Aboriginal people have access to cultural heritage information held by mining companies. We developed a user-friendly GIS software, enabling traditional owners to access their unique cultural knowledge and history.

CLIENT: Gruyere Management Pty Ltd
PROJECT: MRF Annual Report - WA

The Spatial team has been engaged on behalf of Gruyere Management Pty Ltd since 2020 to complete their yearly review of Gruyere's disturbance spatial data as part of the Mining Rehabilitation Fund (MRF) annual reporting requirements.

CLIENT: Lismore City Council
PROJECT: Lismore Landfill Site Selection - WA

Talis identified and investigated a suitable location for the development of a future landfill within the Lismore Local Government Area. The Spatial team was engaged on several tasks including undertaking data discovery, identifying and ranking sites based on site selection criteria, and undertaking a Multi Criteria Analysis.

CLIENT: Genesis Minerals
PROJECT: Disturbance Data Project - WA

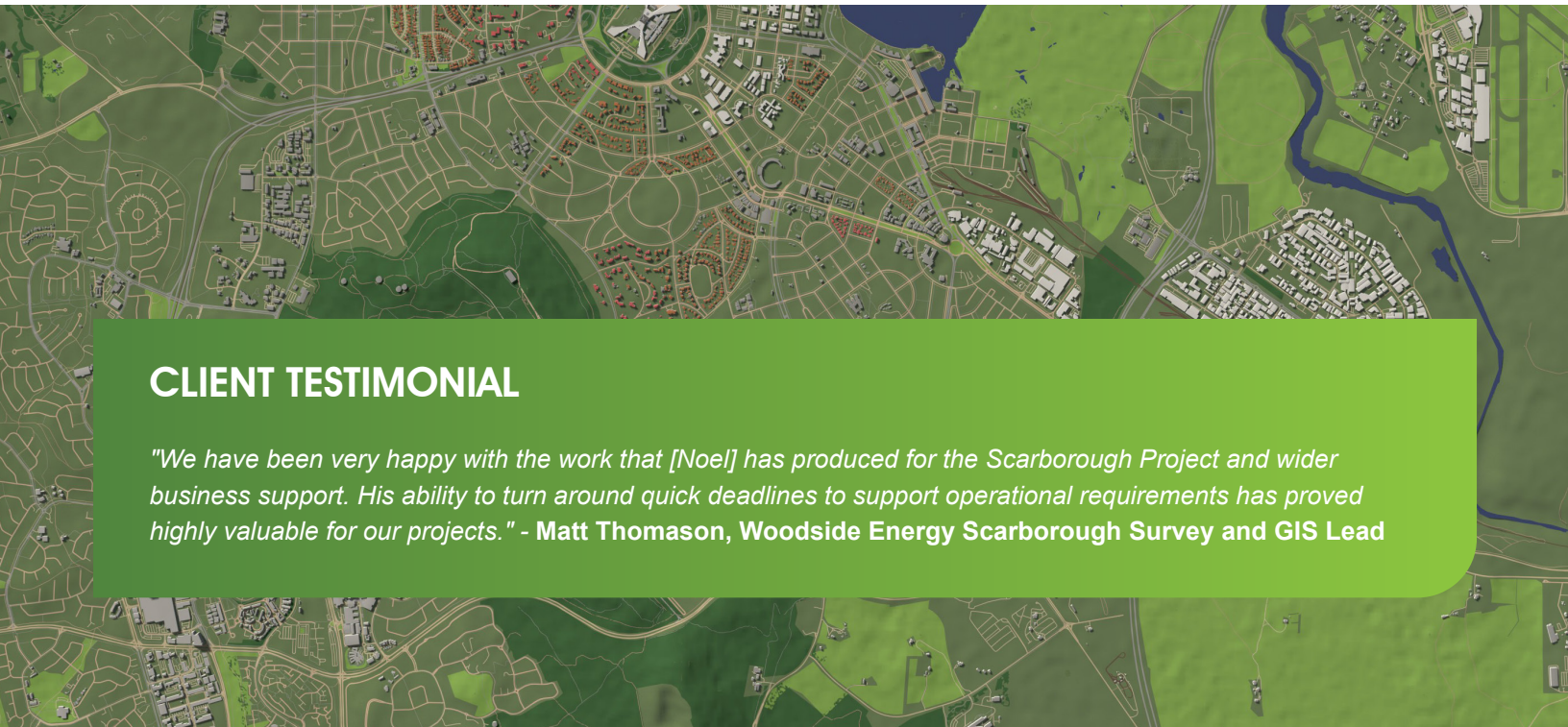
Talis was engaged by Genesis Minerals to clean up and standardise their spatial data across 7 of their recently acquired mine sites. The project was split into 3 stages; interrogating the current datasets, amending the existing spatial data to the most recent aerial imagery, and packaging the data up into an ESRI File database.

CLIENT: Talison Lithium Pty Ltd
PROJECT: Visual Impact Assessments - WA

Talis conducted a Visual Impact Assessment (VIA) for the expansion of Talison Lithium's Greenbushes Site, meeting the EPA's assessment requirements. Talis also delivered 3D visual representations of the landforms for stakeholder consultation.

CLIENT: Department of Education
PROJECT: GIS Advisory - WA

Talis undertook a proof-of-concept machine learning initiative for automated aerial recognition, spatial data capture, services, tools, and analysis. This included school area prediction modelling, high-growth area identification, and advisory support for the implementation of the services, AI and machine learning modules.



CLIENT TESTIMONIAL

"We have been very happy with the work that [Noel] has produced for the Scarborough Project and wider business support. His ability to turn around quick deadlines to support operational requirements has proved highly valuable for our projects." - **Matt Thomason, Woodside Energy Scarborough Survey and GIS Lead**

talis consultants

LOCATIONS

PERTH OFFICE (H/O)

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NOWRA OFFICE

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NEWCASTLE OFFICE

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Hamilton NSW 2303

KALGOORLIE OFFICE

47 Brookman Hay St,
Kalgroolie WA 6430

BRISBANE OFFICE

35 Boundary St,
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WALGA PREFERRED SUPPLIER

COMPASS ASSURANCE ISO 9001 QUALITY

COMPASS ASSURANCE SERVICES ISO 45001

Environment Institute of Australia and New Zealand

Local Government PROCUREMENT APPROVED CONTRACTOR

IPWEA INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALIA