



ENGINEERING SERVICES



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

Key Engineering Services

1 Civil Engineering

Our expert team supports local governments and private clients in designing and managing infrastructure projects, including road construction, drainage systems, and urban development. From initial feasibility studies to final project delivery, we ensure sustainable and efficient solutions for all your engineering needs.

2 Structural Engineering

Whether designing commercial or industrial buildings, bridges, or waste facilities, we deliver flexible solutions that are cost-effective and adaptable to future needs. Our structural engineering team also provides remediation services for under-performing structures, extending the operational life of assets.

3 Project Management

Our project management team has a proven track record of delivering multi-discipline engineering projects and a deep understanding of local government policies, design standards, and procurement processes to help you achieve your goals. Strong partnerships with industry stakeholders strengthen our capacity to deliver end-to-end project management services, ensuring all activities are integrated and aligned with the project scope. We collaborate closely with you to meet the highest quality standards and complete the project on time and within budget.



Engineering Team

The Talis Engineering Team is led by a highly experienced group of civil and structural engineers, including chartered professionals and skilled drafters, who deliver technically complex projects with precision and efficiency. We are committed to providing innovative, practical solutions and take pride in being a trusted partner to our clients, regardless of project scale or complexity.



Key Staff



TRAVIS KELL
Engineering Section Leader

Travis is a civil engineer and brings over 20 years experience in land development, managing civil engineering designs, superintendency, and building strong relationships with consultants and stakeholders. Known for his organisational skills and leadership, he takes a structured approach to problem-solving.



STUART HYDE
Structural Team Lead

Stuart is a chartered structural engineer with over 20 years experience, specialising in mining projects, public works infrastructure, and the design of industrial and commercial buildings. His expertise spans project and construction management, materials selection, and structural form and framing.



PAUL GAUCI
Civil Team Lead

Paul is a chartered professional civil engineer with over 10 years consulting experience. He has worked in the delivery of public and private infrastructure projects, specialising in detailed and concept designs, project management, and contract administration.



ARMAND BESTER
Senior Civil Designer & Team Lead

Armand has over 20 years experience in civil and structural design drafting, GIS data analysis, and mapping. His work primarily focuses on bulk earthworks, road design, and drainage for large-scale infrastructure, landfill, commercial developments, and tailings projects in Australia and Africa.



JOSEPH MOWAT
Civil Engineer

Joseph has a background in engineering design and construction projects across both government and private sectors. He is skilled in managing construction documentation, superintendency, quality assurance, and compliance monitoring.



VAMSI LATCHAMSETTY
Civil Engineer

Vamsi plays a key role in supporting senior engineers by delivering design packages and ensuring all technical aspects and compliance requirements are met efficiently. His expertise includes pavement and drainage design, traffic design, structural design, disaster recovery, and CQA supervision.

Our Services

Project Management

- Feasibility reports and funding applications
- Project planning reports and business case submissions
- Tender documentation and tender evaluation
- Project procurement strategy preparation
- Construction project management
- Site supervision and quality assurance
- Contract administration and management
- Public works organisation operational reviews



Engineering

ROADS AND TRANSPORT

- Feasibility studies for traffic improvements
- Assessment for transport requirements for heavy/large vehicular fleet
- Public transport design, including pedestrian walkways and cycle tracks
- Roads and traffic value engineering and risk management assessment

STRUCTURAL ENGINEERING

- Structural design and certification of buildings and civil infrastructure works
- Site investigations, structural condition audits and reporting for building and engineering structures, and
- Analysis, design, inspection, testing and certification of bridges and related structures

WASTE MANAGEMENT FACILITIES

- Waste transfer stations
- Landfill engineering
- Materials recovery facilities
- Hazardous waste management facilities
- Project and design management

NATURAL DISASTER ENGINEERING

Damage assessment and project management of recovery and reinstatement of essential assets and infrastructure following the declaration of natural disaster events.

ROADS AND PAVEMENT INFRASTRUCTURE

- Assessment, modelling and design for roads, pavements, road and drainage infrastructure, on and off street parking
- Cost estimation
- Quality assessment (QA), technical specification documents for road and infrastructure
- Infrastructure design risk assessment and mitigation

WATER MANAGEMENT ENGINEERING

- Design and drafting of water management requirements
- Storm water management
- Drainage inspection services
- Flood mitigation planning and design
- Catchment and water management design
- Waterways enhancement design and rehabilitation
- Hydrology and hydraulics device design

INDUSTRIAL CIVIL ENGINEERING

- Ports: Focus on heavy-duty road designs for cargo transport, including intersections for high-volume traffic and reinforced shared spaces for port operations.
- Mining: Develop durable roads for heavy machinery and ore transport, focusing on unsealed roads for remote areas and mine sites.

Key Projects



Key Civil Projects

CLIENT: Shire of Chittering
PROJECT: Mountain Bike Park Additional Road

Talis was commissioned by the Shire of Chittering to develop the concept and detailed design for Bindoon Mountain Bike Park's new access road and carpark, which connects Woolah Rise to the existing trail road.

CLIENT: City of Armadale
PROJECT: Local Area Traffic Management

Talis developed concept design for community consultation and detailed design for the Local Area Traffic Management treatments along Challis Road, Lowanna Way, and Tait Street.

CLIENT: Shire of Chittering
PROJECT: Black Spot Submission

Talis provided consultancy services to prepare and lodge Black Spot applications for two sites, Mooliabeenee Road and Blue Plains Road, as part of the Black Spot Program.

CLIENT: City of Perth
PROJECT: Terrace Road Design

Talis prepared the detailed design and specifications for the construction of road safety enhancements on Terrace Road.

CLIENT: Shire of Wyndham East Kimberley
PROJECT: Barytes Road Realignment

Talis provided the detailed design for the realignment & upgrade of Barytes Road, reviewed the environmental factors for all five proposed routes, and facilitated stakeholder engagement throughout the process.

CLIENT: Shire of Serpentine - Jarrahdale
PROJECT: Indigo Parkway Civil Design

Talis was commissioned by the Shire of Serpentine Jarrahdale to design and document Indigo Parkway extension, linking the existing Indigo Parkway at Briggs Road to Larsen Road at San Simeon Boulevard.

CLIENT TESTIMONIAL

"The consultancy service [by Talis] was conducted with a high level of work ethics and professionalism, demonstrating good performance." - Shobair Hosseini (Strategic Projects Lead, Shire of Serpentine Jarrahdale).



Key Structural Projects

CLIENT: Southern Waste Solutions
PROJECT: Lutana Waste Transfer Station

As the Lead designer, Talis was involved from concept to completion for the new waste transfer station Lutana, Hobart. Talis provided all the designs and construction support for a turnkey solution.

CLIENT: City of Stirling
PROJECT: Recycling Centre Balcatta

Talis provided design, preliminary designs and documentation for the proposed upgrades at the Recycling Centre Balcatta, including a performance specification to complement the drawings and guide future design development under the design and construct contract.

CLIENT: Shire of York
PROJECT: Bridge Condition Assessment

Talis conducted a structural assessment of the York Swing Bridge, a pedestrian suspension bridge spanning the Avon River in York, WA. The assessment aimed to evaluate its current condition and plan for future maintenance needs.

CLIENT: Shoalhaven City Council
PROJECT: Bridge Design & Hydraulics Modelling

Talis provided a flood plain hydraulic analysis and structural designs for new bridge structures crossing Bomaderry Creek, NSW. The bridge comprises 5 spans of 18m and is designed according to AS5100 Bridge Design Standard.

CLIENT: EMRC, Hazelmere
PROJECT: New Heavy Duty Workshop Facilities

Talis was appointed by EMRC as the structural engineer and lead designer for a new heavy duty maintenance workshop, site offices, and amenities building at the EMRC resource recovery park in Hazelmere. The project was awarded as the best industrial building \$1.5M - \$5M in 2023.

CLIENT TESTIMONIAL

"Talis demonstrated commendable flexibility in their approach and consistently delivered work to a high standard."

- Daniel Mulcahy (Senior Project Manager, City of Stirling)

CLIENT TESTIMONIAL

"Talis provided a quality service on time and within budget. The staff assigned had good environmental, civil and structural knowledge to enable the design project to be completed to a high standard."

- Reece Wilson (Director Shire Services, Central Darling Shire Council).

Key Project Management Work

CLIENT: Shire of Wyndham East Kimberley
PROJECT: Disaster Recovery

Talis assisted the Client to secure reimbursement through the Disaster Recovery Funding Arrangements - Western Australia, assessing damage to public assets caused by a natural disaster, and providing key documents.

CLIENT: City of Swan
PROJECT: Stock Road Superintendency

Talis served as the Superintendent for the Stock Road Extension Project and was responsible for the administration of the construction contract to uphold high-quality and safety standards from construction initiation to completion.

CLIENT: Lorraine Elliott Planning Services
PROJECT: Subdivision Design & Contract Administration

Talis is assisting the Client with the green title subdivision comprising 36 green title residential lots. The scope of works include detailed design, tender documentation, and contract administration.

CLIENT: Shire of York
PROJECT: Road Construction Program

Talis provided project management services to support the Shire of York 2025/2025 road construction program. The scope of work included working with the contractor to deal with items such as claims, variation, budget progress, and traffic management plans.





LOCATIONS

PERTH OFFICE (H/O)

604 Newcastle St,
Leederville WA 6007
PO Box 454, Leederville WA 6903

NOWRA OFFICE

76 Bridge Rd,
Nowra NSW 2541
PO Box 1189, Nowra NSW 2541

NEWCASTLE OFFICE

58 Cleary St,
Hamilton NSW 2303


BRISBANE OFFICE

35 Boundary St,
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