talis consultants

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:

ENGINEERING | ENVIRONMENT | SPATIAL | NOISE | WASTE | ASSET

Key Engineering Services

1 Structural Engineering

Whether designing commercial or industrial buildings, bridges, ports, 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.

2 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.

3 Project Management

With a proven track record across multi-discipline engineering projects, our project management team combines technical expertise with a thorough understanding of local government policies, design standards, and procurement processes.

Strong industry partnerships further strengthen our ability to deliver seamless, end-to-end project management.



Engineering Team

Led by seasoned civil and structural engineers and experienced drafters, the Talis Engineering Team delivers technical complexity with precision.

We design with the future in mind, building flexibility, functionality, resilience, and lasting value into everything we create.



Key Staff



NATHAN HANRAHAN
Engineering Section Leader

Nathan brings over 20 years of civil engineering experience across local government, consultancy, and significant secondment roles with Port Authorities, Main Roads, and the City of Greater Geraldton. His project experience spans small-scale investigations through to large multi-million dollar construction projects, including major transportation infrastructure.



ELLIOT PANIZZA
Senior Structural Engineer

Elliot Panizza is a Senior Structural Engineer with expertise in buildings, maritime infrastructure, demolition design, and asset management. He drives innovation in structural design to delivery client-centric solutions and seeks out cutting edge technologies to push the boundaries of what is possible in the field.



OLLIE ANABLE
Civil Engineer

Ollie has delivered a range of infrastructure projects for Local Government, including road reconstructions, bridge upgrades, and culvert installations. He is detail-focused and committed to high-quality outcomes with an emphasis on safety, environmental compliance, and financial control.



LYN RONCHI
CAD Team Lead/Senior Civil Designer

Lyn brings over 25 years of experience in the engineering industry with more than 10 years specialising in civil design, drafting, traffic management and transport infrastructure. Having succesfully delivered a broad range of infrastructure projects from concept design through to construction, her key expertise lies in road design, earthworks, drainage, utilities coordination, traffic management and multidisciplinary projects.



SHONA MEHDI
Structural Engineer & Project Manager

Shona is a Structural Engineer with 10+ years experience in design and quality assurance across structural projects. She is skilled in structural analysis and design, cost estimation, technical reporting, and project management with a focus on buildings and waste infrastructure.



COLM O'NEILL
Senior Structural Drafter

Colm is skilled in producing engineering drawings and plans, focusing on the design and layout of buildings. He has worked closely with engineers to translate concepts into precise technical drawings. He is also experienced in the creation of site master plans and the coordination of drawing sets across disciplines.

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

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

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

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 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 Wawnneroo
PROJECT: Neerabup Resource Recovery Precinct

Talis has secured a major tender to deliver initial infrastructure for the Neerabup Resource Recovery Precinct, an integrated recycling and waste facility serving Perth's northern suburbs. The scope includes conceptual, schematic, and detailed design, approvals, procurement, and construction support.

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 provided structural engineering designs for a new heavy duty maintenance workshop facility. Our scope included preliminary, tender, and construction structural designs, pre-tender cost estimates, technical specifications, and construction phase services.

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)



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).**

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 included 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 included working with the contractor to deal with items such as claims, variation, budget progress, and traffic management plans.



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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

KALGOORLIE OFFICE

47 Brookman Hay St,
Kalgoorlie WA 6430

BRISBANE OFFICE

Level 4 35 Boundary St,
South Brisbane QLD 4101

OPERATING BASES

Hobart | Melbourne | Sydney

1300 251 070 talisconsultants.com.au enquiries@talisconsultants.com.au

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