



Z E A L
E N G I N E E R I N G

CAPABILITY STATEMENT

ENGINEERING & DESIGN



At Zeal Engineering, our vision is to be a leader in the industry, developing high-value projects responsibly and sustainably, that exceed our client's expectations and contributes to the long-term economic, social, and environmental well-being of the communities in which we work.

Our commitment to precision, safety, and quality, coupled with our decisive and proactive project management skills, ensures the seamless execution of projects.

Jay Daviot
Director

**zeal**

[zi:] - noun

an ardent and eager interest in the pursuit of a cause or an objective



Study Management

We help clients to develop projects from concept to execution and operational readiness. We focus on key value drivers and practical solutions that optimise the project business case and value.

- Project planning and scoping.
- PEAs and Scoping studies.
- Pre-feasibility studies.
- Definitive-feasibility studies.
- Execution Strategy and Operations planning.
- Risk identification and management.

Test Work Management

We assist Clients to scope and manage site and laboratory testing programmes that support project development, using our experience and network of consultants and suppliers.

- Flowsheet review and development.
- Design criteria review and development.
- Management of drilling and test work programs:
 - Exploration,
 - Geological,
 - Metallurgical,
 - Geotechnical,
 - Pit geotechnical,
 - Hydrological,
 - Fine and coarse ore aggregate,
 - Test pits, and
 - Waste characterisation.

Engineering and Design

Our team has a wealth of experience delivering multi-disciplinary projects through pragmatic and fit for purpose engineering and design.

- Access roads and bridges.
- Air strips, hangars, maintenance facilities.
- Bore fields.
- Camp accommodation, messing, and sporting facilities.
- Fire water systems.
- Mine dewatering.
- Mine services area infrastructure.
- Mineral processing facilities.
- Power systems.
- Pumping systems.
- River abstraction systems.
- Tailings storage facilities.
- Sewage treatment plants.
- Water treatment plants.
- Water storage dams.



Our expertise is in developing projects using skilled industry professionals and proven execution strategies. Our management team has a combined experience of more than 50 years in the mining and minerals, chemical processing, oil and gas, energy and infrastructure industries.

We have completed projects in Africa, Asia, Australia, Europe, North and South America. We are experienced in a diverse list of commodities, but our key focus is on precious metals, base metals, and lithium. We can assist with all the requisite areas of project infrastructure.

Experience

Australia	Europe	Asia	Africa	America	Stage	Commodity									
						Au	Cu	Zn	Fe	Ni	Li	V	K	C	
●	●	●	●	●	<i>Pre-feasibility Study</i>	●			●	●	●	●	●	●	●
●		●	●	●	<i>Feasibility Study</i>	●	●	●	●	●	●			●	
●	●		●		<i>Scope</i>	●	●	●			●	●			
●	●	●	●		<i>Design</i>	●	●	●	●	●	●				
●	●	●	●		<i>Procurement / Contracts</i>	●	●				●				
●	●		●	●	<i>Construction</i>	●	●		●	●	●				
●	●		●		<i>Commissioning</i>	●	●		●	●	●				
●	●		●		<i>Operational Readiness</i>	●	●			●	●				

Meet Our Team

Zeal Engineering employs a team of experienced project delivery professionals.



Jay Daviot | Managing Director

A mechanical engineer with 18 years' experience focusing on feasibility studies, detailed design and project execution in the mining industry. Jay has held project management, lead mechanical and lead project engineering roles in EPCM and Owner operated teams. Jay is a chartered Professional Engineer with Engineers Australia. MIEAust CPEng NER



James Schloffer | Study Manager

A chemical engineer with 15 years' professional mineral processing and hydrometallurgy experience gained across a breadth of commodities. James has worked across the full spectrum of mining including studies, metallurgical test-work, pilot plants, detailed engineering design, EPC & EPCM construction, commissioning and operations. James is a member of AusIMM.



Justin Sporre | Project Manager

Project Manager with over 18 years of Contracts, Project Engineering, Project Management, and Study Management experience. Justin has worked in Australia, Europe, North America and Africa. His experience in the minerals and metals industry spans the full project life cycle from feasibility through detailed design, construction and commissioning.

The **foundation** of our organisation is based on the following values.



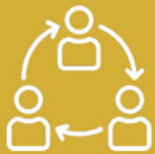
RESPONSIBILITY

Act like an owner. We accept **responsibility** for our decisions, actions and results. We move forward with purpose.



COMMITMENT

We are **committed** to developing constructive, transparent, long-term relationships with our clients.



COLLABORATION

We **collaborate** with our clients and leading industry professionals to ensure optimal project outcomes.



INTEGRITY

We conduct ourselves **ethically** and **honestly** with **integrity**.



PRAGMATISM

We strive for excellence by aiming for the most simple, **pragmatic** and effective solution to any problem.



RESPECT

We strive to create a productive working environment with continual improvement by acting with humility and engaging people with **respect**.



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“Our collaborative approach ensures that practical, fit-for-purpose solutions are engineered to align with the client’s ethos and vision.”



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Find out more at

www.zeal.engineering

