

A photograph of a mining site at dusk. The sky is dark with some light clouds. In the foreground, there is a large pile of dark, jagged rocks. In the middle ground, there is a complex of industrial structures, including a tall metal tower with several lights on top, and various conveyor belts and pipes. The overall scene is industrial and somewhat somber due to the low light.

Mining  
Non-Process Infrastructure  
**CAPABILITY STATEMENT**

# Overview

## **Multidisciplinary Expertise. Reliable Delivery. Exceptional Quality.**

Aarvee is a global leader in infrastructure consultancy, renowned for delivering world-class solutions across various sectors. Founded on a commitment to technical excellence, engineering simplicity, and innovation, Aarvee has executed numerous complex projects worldwide.

With a presence in over 20 countries, including the UK, Australia, the Middle East, Africa, and India, Aarvee uses cutting-edge technologies like digital engineering to tackle modern development challenges. Our design philosophy focuses on efficiency and practicality, delivering tailored solutions to meet clients' needs.

We simplify execution and ensure seamless project oversight while maintaining a focus on quality, timeliness, and stakeholder value. Aarvee is committed to sustainability, delivering future-ready infrastructure that drives long-term progress. Whether managing large-scale developments or providing specialised consultancy, our reliability, quality, and client-first approach consistently exceed expectations.



# Our Values

## Technical Excellence

We deliver designs that are practical to build and efficient to operate. We bring civil, structural, mechanical, and building services experience from mining, energy, rail, and transport infrastructure sectors.

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## Innovation

We use modular design, off-site fabrication, and digital tools to accelerate NPI delivery and reduce site labour exposure.

[aarvee.com.au](http://aarvee.com.au)

## Exceptional Quality

We take pride in our work and hold ourselves to high standards. Quality is embedded in every detail, from first draft to final handover, and we aim to exceed expectations every time.

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## Commitment to Timelines

We treat deadlines with discipline. Timely delivery is non-negotiable, and our systems are built to ensure accuracy and reliability from start to finish.

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## Unwavering Integrity

We operate with honesty, accountability, and professionalism. Clients trust us because we do what we say — and we do it with transparency and respect.

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# Our Services

## Specialist Services Backed by Technical Excellence.

Aarvee supports the full lifecycle of infrastructure projects—from concept engineering and detailed design through to execution. We also provide advisory and project management services, with particular expertise in mining non-process infrastructure (NPI). Our expertise spans the full NPI lifecycle—from early works and access roads to workshops, accommodation, water treatment, fuel facilities, and more.

Our capabilities include services such as:

- Site access & earthworks
- Accommodation & camps
- Power, water, and fuel infrastructure
- HV workshops & laydowns
- Warehousing, labs, security & admin
- Wastewater & water treatment
- Haul roads & rail

What sets Aarvee apart is our strong leadership, deep technical capability, and unwavering commitment to quality. Our passion for delivery drives us to exceed expectations—every time.

# Our Capabilities



## Mining Advisory and Planning



## Project Management



## Design



## Commissioning



### Technical

Ensure we have the skills, capability & experience



### Technology

We leverage technology where possible



### Teamwork

We build trust and communicate with all stakeholders

# Mining Advisory & Planning

## Integrated Technical and Strategic Expertise Across the Full NPI Lifecycle

Aarvee's mining planning and advisory capability is built on decades of experience delivering high-quality Non-Process Infrastructure (NPI) solutions for the resources sector. Through our strategic partnership with Talisman Technical, we now offer a fully integrated advisory model that blends Aarvee's engineering precision with Talisman's deep operational, ESG, and mining expertise. This partnership brings a "from industry, for industry" mindset that delivers practical, scalable outcomes from concept through to execution.

Our collaborative approach enables clients to de-risk early-stage planning, accelerate project timelines, and achieve long-term operational efficiency. Together, we provide seamless support across the full project lifecycle—from strategic mine planning and infrastructure design to ESG compliance and closure advisory.

### Our combined Mining Advisory & Planning services include:

- Site Selection and Feasibility Studies
- Mine and Infrastructure Master Planning
- Cost Estimation and Budgeting
- Environmental and Social Impact Assessments (ESIA)
- Infrastructure Design and Engineering
- Logistics, Transport and Utilities Planning
- Project Management and Delivery
- Camp and Accommodation Design
- Risk Management and Operational Readiness
- Due Diligence and Investment Advisory
- Closure and Rehabilitation Consulting

This integrated advisory model enables smarter, faster decisions and higher certainty for clients operating in complex, remote or cost-sensitive environments. Whether supporting greenfield developments or brownfield expansions, the Aarvee-Talisman team delivers solutions that are **technically sound, commercially practical, and strategically aligned** to project and stakeholder objectives.



**TALISMAN**

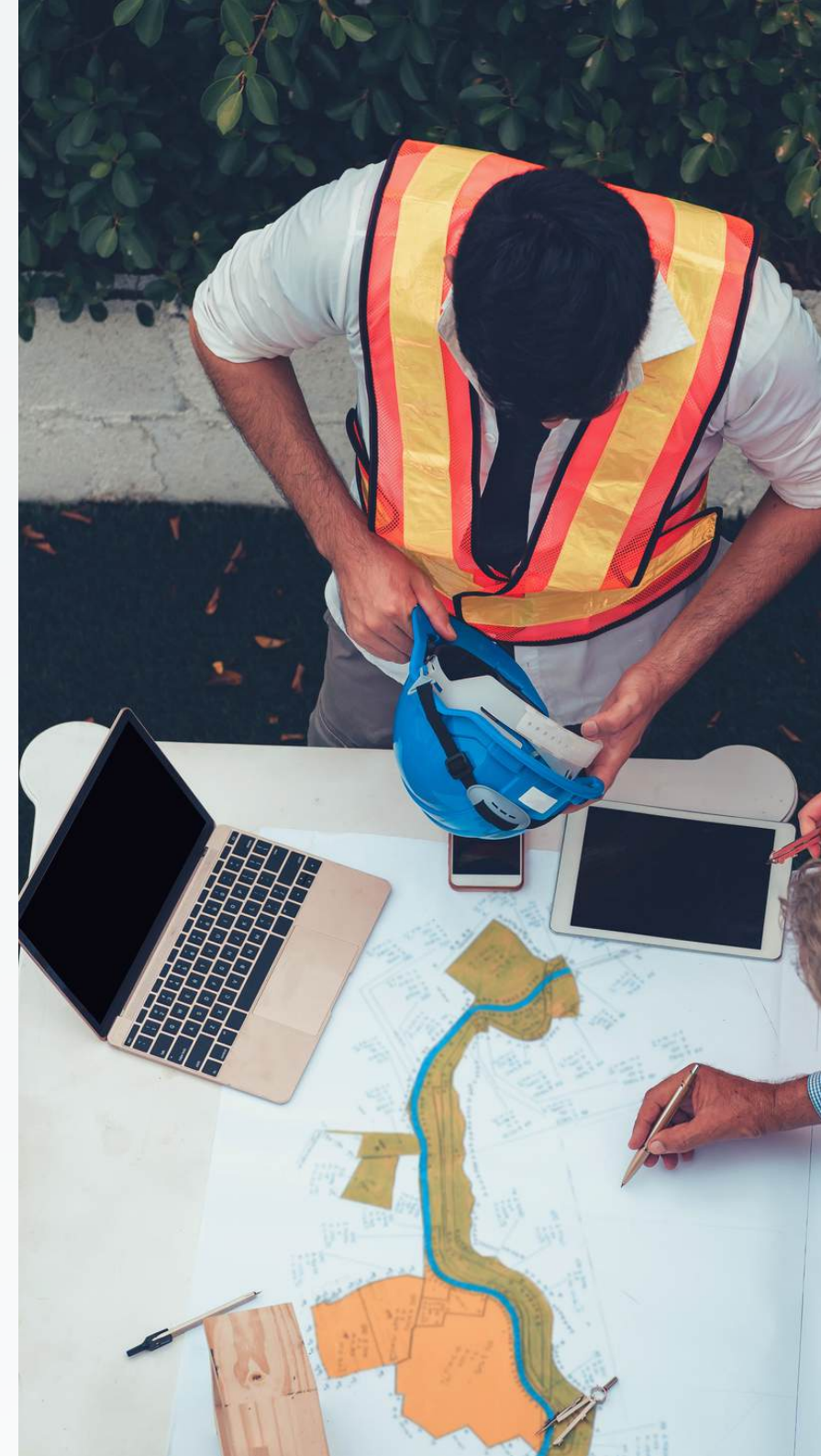
# Project Management

**Aarvee understands the critical role project management plays in protecting client interests and ensuring compliance with design and technical specifications.**

Aarvee brings sector-specific expertise that supports the efficient and successful delivery of projects within the Mining NPI framework. With a proven ability to manage our scope of work—whether as part of a broader program or as a standalone engagement—we ensure outcomes are delivered to the highest standard, on time and with full accountability.

Our services include:

- Owner's Engineer
- Project Development
- Tender Management
- Cost and Schedule Management
- Contract Management
- Design Management
- Risk and Safety Management
- Independent Engineering
- Independent Reviews



# Design

## Integrated Design and Engineering Expertise Across All Disciplines.

Design and engineering are at the core of Aarvee's service offering. With years of experience across a diverse range of project environments, we have continually refined our approach to deliver efficient, practical, and high-quality outcomes. Our multidisciplinary design capabilities cover all key aspects of power and energy infrastructure, including electrical, mechanical, civil, structural, control systems, instrumentation, telecommunications, and SCADA.

Our services include:

### Design Phases

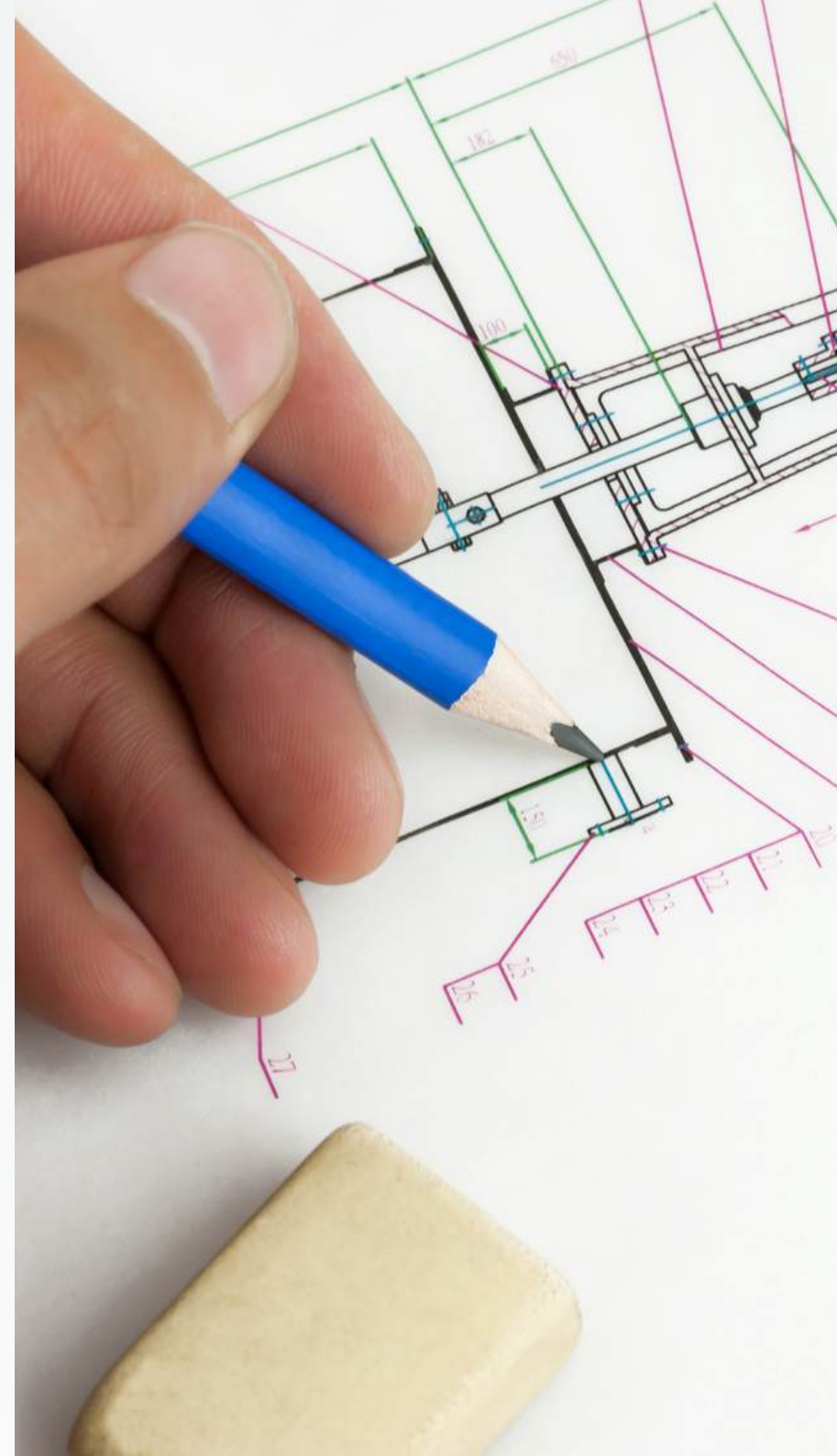
- Concept
- Pre-feasibility
- Feasibility
- Detail Design
- Construction Documentation
- As-Built Documentation

### Design / Drafting Services

- 2D & 3D CAD drafting
- Layout Planning for Camps, Workshops, Admin Facilities
- Utility Routing and Trenching Plans

### Engineering Services

- Civil and Structural Engineering
- Electrical and Communications
- Mechanical and Building Services
- Power and Renewables
- Roads and Pavements
- Water Supply, Wastewater Treatment, Hydraulics and Drainage
- Camp Services (HVAC, power, water, sewage)
- Security and Access Infrastructure



# Commissioning

## Specialist Commissioning Services to Ensure Project Readiness.

Commissioning is the critical final phase of any project, aimed at verifying the correct functionality of the built asset prior to handover. This stage demands specialist skills and deep experience to ensure that all systems perform as intended, and that potential failure modes are thoroughly tested and effectively mitigated. Aarvee brings these capabilities to every project, offering the following specialist commissioning services:

- Commissioning Management
- Construction Support
- Preparation of ITP's, ITR's and Commissioning plans
- Site-wide services commissioning (power, water, communications)
- Accommodation and village services (HVAC, lighting, sewage)
- Admin and support buildings readiness
- Site Acceptance Testing and Support
- Utilities and reticulation systems commissioning
- Integration with process plant interfaces where applicable
- Verification of safety and compliance systems
- Final documentation and handover packages
- Support during ramp-up and operational transition



# Mining & Resources

*Delivering Cost-Effective Non-Process Infrastructure to Support Sustainable Resource Development.*

The mining and resources sector is under increasing pressure to scale production, optimise capital efficiency, and decarbonise operations—all while delivering safe, reliable infrastructure in remote and complex environments.

Aarvee partners with clients to meet these demands through practical, scalable NPI solutions that are tailored to project needs and designed for long-term value. With deep multidisciplinary expertise and a strong track record across mining, heavy industry, and transport infrastructure, we provide end-to-end support from feasibility through to commissioning.

Our capabilities span accommodation, utilities, and critical logistics infrastructure—including rail systems—ensuring seamless integration, fast deployment, and lifecycle efficiency. Whether supporting greenfield projects or brownfield expansions, we help clients reduce cost, accelerate timelines, and deliver the infrastructure needed to enable operational readiness and resilience.

- Accommodation villages and central facilities
- Administration offices, warehouses, and workshops
- Rail infrastructure including loadout, loops, marshalling yards, and interfaces
- Bulk earthworks, roads, and airstrips
- Site-wide utilities: power, water, wastewater, fuel, comms
- Modular, relocatable, and rapid-deployment infrastructure
- NPI integration with processing, logistics, and operational systems
- Planning for energy efficiency, decarbonisation, and expansion



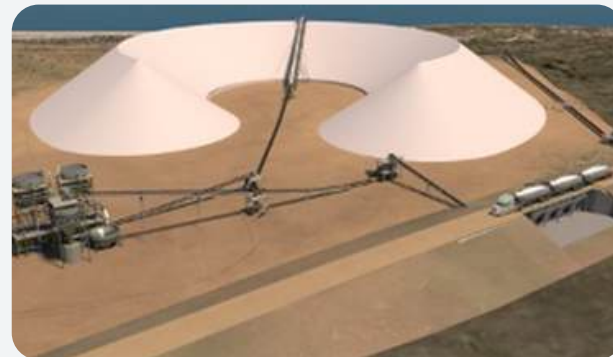
## BCI Minerals – Mardie Salt Potash Project

### Western Australia

The \$2.2B Mardie Salt and Potash Project is owned by BCI Minerals Limited (BCI). The Project represents a rare, sustainable opportunity to develop a large-scale, multi-generational solar evaporation operation on the Pilbara coast of Western Australia (WA), producing salt and potash products for high demand chemical and other industries.

Aarvee undertook NPI & Civil packages including:

- Port Access road design
- Crystallizers LV & HV road Design (78.12 Kms)
- Crystallizers Design-Primary, Secondary, KTMS
- Secondary Seawater Intake design
- Pond9 to C1 Channel design
- Water Lift Stations (x7) design
- Model Development (3D) for all design components
- Hydrology & Hydraulics Modelling to support the entire plant design including Coastal Modelling
- Landfill design.



## Yogi Magnetite – Power System Modelling

### Western Australia

Aarvee Associates was engaged by FI Joint Venture Pty Ltd to assess power supply options for the Yogi Magnetite Iron Ore Project, which will produce approximately 310 million tonnes of iron ore. The project, with an energy demand of 71 MW, will use a hybrid solution combining renewable energy and gas, sourced from the Dampier to Bunbury Pipeline and/or the Northern Goldfields Interconnect. Aarvee delivered a power options study, including grid connection analysis, cost modelling, and risk evaluation. Our team helped the client navigate technical, financial, and regulatory aspects, ensuring an efficient, reliable, and environmentally aligned solution.

Our Services included:

- HV Power Options Studies.
- Grid Connection analysis and solutions.
- Financial and cost analysis.





## Bravus – Carmichael Rail Project

### Queensland

Aarvee was engaged by Bravus Mining for the design of the Carmichael Rail Project, which is a 200km, multi-user railway facility with third party access, connecting the Galilee Basin and Australia’s most northerly coal port.

The project was delivered in line with the Galilee Basin State Development Area guidelines, as well as complex environmental approvals.

In addition, Aarvee is a preferred engineering service provider to Bravus Mining and has undertaken additional projects including Mass Water Balance modelling, water infrastructure and dam design projects.

Aarvee undertook NPI & Civil packages including:

- Detailed Design & Construct. Support.
- Detailed design of elements including Alignment, Hydrology & Hydraulics, Geotech, Formation and Earthworks, Drainage, and Crossings.
- Cost optimisation and value engineering, detailed design in accordance with EIS conditions, and other regulatory approvals.



## Arc Infrastructure – Greenbushes to Picton Railway

### Western Australia

Talison Lithium’s Greenbushes mine (80km southeast of Bunbury, WA) currently relies on road transport to Bunbury Port and processing facilities at Kemerton and Kwinana. With mine expansion driving increased truck movements through Balingup, Kirup, Donnybrook, and Boyanup, the project is assessing the viability of reactivating the disused Picton–Greenbushes rail line. Rail offers a potential solution to reduce road traffic and support Talison’s growing transport needs sustainably.

Our Services included:

- Concept Design & Preliminary Design
- Consideration of the established corridor for horizontal and vertical alignment.
- 40km railway design
- 27 level crossings.
- 10 bridges



# WHY AARVEE

Clients choose Aarvee because we get things done — without the overhead, delays or surprises.

We're easy to work with, technically sharp, and commercially practical. Here's what sets us apart:

- **End-to-End Capability**

From concept to commissioning, we support the full asset lifecycle. Whether it's detailed design, power system studies, or commissioning support, we slot in seamlessly.

- **Deep Market Experience**

Our team brings decades of experience across the NEM, WEM and beyond — including grid connection, renewables integration, HV infrastructure, and compliance pathways.

- **Scalable Resourcing**

We're built for flexibility. With delivery teams in Australia and offshore, we can scale quickly to support workload peaks without compromising quality.

- **Trusted by Tier 1s**

We've supported Rio Tinto, BHP, Western Power, Horizon, and others. We work well in integrated teams and under subcontract with developers, EPCs and OEMs.

- **Engineering-First Mindset**

We're not generalists. Aarvee is a technically-led business that thrives on solving complex challenges with simple, practical solutions.



Aarvee's global presence



**We add tremendous value to our clients through time-bound, reliable, high quality and cost-effective design and drafting support.**



**Contact Us**

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