

Ferro Engineering



Ferro is a Western Australian owned multi-disciplinary engineering consultancy. At Ferro we believe understanding delivers outcomes. To achieve this, we focus on working collaboratively with clients to enable data driven decisions across the asset lifecycle.

Our team is based in Perth with a proven track record of delivering in the office, on-site and remotely (digital presence). We have experience working with a range of clients in the mining and resources sector including Operators, contractors, equipment suppliers and consultants.

We value diversity and are focused on positive, mutually beneficial relationships with clients and partners.

Core Services



Project Engineering



- Project / package management
- Shutdown planning and execution
- Risk management
- Interface management
- Management of change

Asset management



- Operating asset review,
- Assurance of Integrity / operating limits
- Risk based inspection assessments
- Analytics and categorisation
- Maintenance planning and CMMS
- Dashboards and data visualisation

Electrical Design



- Detailed electrical system design
- Technical Reviews
- Commissioning/construction work packs
- Protection studies
- Arc flash studies

Site Execution



- Company site representation
- On-site supervision
- Site commissioning of equipment
- Expediting and technical support
- Permits management
- management of change

Drafting



- Electrical drafting,
- P&IDs / electrical schematics
- Standards compliance (WAIO)
- Red-line mark-ups / as-bults revisions
- General drafting

Project Engineering and Delivery



At Ferro we know predictable delivery is critical to our clients.

Our team takes a proactive approach to identification and management of risks and opportunities. We couple this with effective contingency planning and stakeholder engagement to deliver to budget and schedule.

We recognise the criticality of management of change and apply this with rigour to appropriately manage risk and ensure projects are delivered safely without compromising on integrity or functionality.

We understand the value of safety in design and ensure this is a constant focus to de-risk project execution.

What we can do for you:

- Project / package management
- Shutdown planning and execution
- Risk management / Interface management
- Management of change

Asset Management



At Ferro we know asset performance is critical to business performance. And believe safer and reliable asset performance delivers this.

We have experience in assessment and categorisation of operational equipment to identify 'at risk' assets. We also work collaboratively with clients to identify forward actions to de-risk operations including inspection and maintenance planning, system modification.

A key to delivery in operations is easy understanding of key operational data (asset integrity, condition, operating limits). We promote simplification and visualisation of this data through dashboards and other tools.

We are working towards opportunities to apply analytics to operational data to enable a more proactive and value-based approach to asset management.

What we can do for you:

- Assurance of Integrity and operating limits
- Operating asset review, analytics and categorisation
- Risk based inspection / maintenance planning
- Computerised Maintenance Management Systems (CMMS)
- Dashboards and data visualisation

Electrical Design



Our core engineering team draws heavily from electrical engineers and designers, who have delivered a wide range of project types and sizes. Our wealth of experience taking projects from selection criteria to final commissioning allows us to effectively contribute at every stage of a project.

We add value through experience and continuous improvements to our processes. Ferro ensures quality whilst delivering cost effective designs fit for the intended purpose to suit your specific project needs.

What we can do for you:

- Detailed electrical system design
- Technical Reviews
- Commissioning and construction work packs
- Protection studies
- Arc flash studies
- Earthing studies

Site Execution



We have a talented team of engineers with extensive on-site experience in supervision, delivery and commissioning.

We have a track record of delivering to schedule in the high pressure environments surrounding commissioning and start-up as well as shutdown operations.

We understand how you deliver is critical and support the culture of our client's with a focus on safety and respect. We work collaboratively with clients to and vendors to ensure we achieve our promises.

What we can do for you:

- Company site representation / on-site supervision
- Commissioning of equipment on-site
- On-site expediting and client technical support
- Permits management / management of change

Drafting



We know clients rely on having the right information to make the right decisions and drafting is a critical input.

We have a track record of delivering drawings to a range of client and industry specifications with a focus on 'right first time'.

By focusing on understanding the project's requirements we provide fit-for-purpose designs. We constantly focus on quality and change management to improve on delivery and budget.

We take an integrated approach across drafting and delivery. When updating as-built drawings / incorporating site mark-ups, we work with clients to identify potential learnings associated with the changes to deliver maximum value.

What we can do for you:

- Electrical drafting, P&IDs, electrical schematics
- General drafting and Red-line mark-ups, as-bults revisions
- standards compliance (WAIO)

Our Values



At Ferro, our values are core to who we are and how we deliver:

Collaboration: We work together, understand each other and leverage the best ideas to achieve more

Learning: We learn from both success and mistakes to continuously improve.

Excellence: We know what success looks like, and we deliver it.

Accountability: We understand our role and keep our promises.

Respect: We value diversity and work to build positive, lasting and mutually beneficial relationships.

Safety: We advocate for safety in design, believe all incidents are preventable and work to the goal that everyone goes home safe

Clients and Partners



Ferro has an extensive track record working with a range of clients in the mining and resources sector including:

Providing solutions direct to operators:



Delivery and engineering support with contractors:



Partnering to deliver solutions with others:

Contact Us



Contact us today to see how we can help you



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