

Iron Ore

CSA Global is able to draw on our depth of experience from geoscientists and engineers with expert knowledge of the iron ore industry.

Much of the collective experience has been gained in the iron-rich deposits of the Pilbara region in Western Australia. However, our exploration team have experience in other regions throughout Australia and across the globe.

Recent Projects

NATION	PROJECT	MINERALISATION STYLE	WORK COMPLETED	
	Australia / Pilbara	Western Pilbara	Marra Mamba, Brockman and CID	Detailed targeting exercise focussing on Bedded Iron Deposit potential. Ongoing and focussed exploration drilling efforts.
		Weelumurra	Brockman, CID, Detrital (DID)	Detailed geological reviews, field reconnaissance, exploration management of a \$1M drill programme and delivery of a Safety Management Plan. Mineral Resource estimation.
		Hay Stack Flat	CID	Detailed geological reviews, field reconnaissance and exploration management and delivery of a \$0.5M drill programme.
		PIOP	Brockman, CID, DID	Geological review reports, field reconnaissance and position papers.
		Marillana	DID	Detailed technical due diligence of geology and resources.
		Buckland Hills	CID, Brockman	Detailed technical due diligence of geology and resources.
		Kumina Creek	Brockman	Field reconnaissance, geological review and Mineralisation Range Analysis.
		Area C	Marra Mamba, Brockman	Detailed technical summary of geology, resources, mining, iron ore technical marketing, environment and water management.
		Western Ridge Newman	Marra Mamba, Brockman	Detailed technical due diligence of geology, resources and mining.
		Wonmunna Newman	Marra Mamba	Geological and resource review, Exploration management of drilling programme and Mineral Resource estimation.
	Christmas Creek	Marra Mamba	Project review and engineering advice for the expansion project.	
Australia/ Northern Pilbara	Ord Ridley	Magnetite	Project management of Pre-Feasibility study geology including programme design, implementation, management and resource estimation.	
Australia/ Mid-West	Iron Ridge	Hematite	Geological and resource review, Exploration management of drilling programme and Mineral Resource estimation.	
	Various	Hematite/Magnetite	High level prospectivity review of all Mid-west iron ore projects.	
	Karara	Hematite/Magnetite	Exploration management and resource modelling.	
	Weld Range / Beebyn	Hematite/Magnetite	Mineral Resource estimation.	
Australia/ South Australia	Hawks Nest	Hematite/Magnetite	Exploration and resource development review.	
	Bulgunnia	Magnetite	Exploration management, Minerals Resource estimation and regional tenement review.	
	Brazil/QF	Casa de Pedra	Hematite/Itabirite	Detailed technical due diligence.
	Cameroon	Mbalam	Hematite/Itabirite	Mapping and structural interpretation.
	Guinea	Kalia	Itabirite	Exploration review and targeting, Competent Person report for AIM, mining concept studies and resource estimation.
		N' Zerekore	Hematite/Itabirite	District prospectivity review.
	Republic of Congo (ROC)	Mayoko-Mousondji	Hematite/Itabirite	Fatal flaw analysis.
	Sierra Leone	Mousondji	Itabirite	Exploration management and resource modelling.



CSA Global
Mining Industry Consultants
an ERM Group company

CSA Global has been providing practical management and consulting solutions to the global minerals industry since 1984. Our company specialises in corporate, mining, resources, exploration, technology, and water services to a wide variety of clients globally and provides independent advice to public and private mining companies, governments, industry associations, financial and legal groups. CSA Global is a member of the ERM group of companies, a global provider of sustainability advisory services, including environmental, health, safety, risk and social consulting. Together, our complementary service lines, client demographics, and markets provide optimal and sustainable outcomes for our clients evolving needs in the mining sector now and well into the future.

ERM and CSA Global have a global network of offices in Australia, Europe, Africa, North and South America, and Asia.

CSA Global Services

The diversity of CSA Global's services provide additional technical and operational mining solutions for our clients. Together we will implement an innovative approach to all our projects.



CORPORATE

- Independent technical assessments
- Technical reporting (JORC, VALMIN, CIM/NI 43-101)
- Due diligence and fatal flaw analysis
- Expert valuations of mineral assets



MINING

- Mining and engineering studies (concept to feasibility)
- Mine optimisation, scheduling, design and Ore Reserve estimation
- Grade control and reconciliation
- Productivity improvement and project management



RESOURCES

- Geological and geo-metallurgical modelling
- Geostatistical analysis and variography
- Mineral Resource estimation, classification and reporting
- Resource audits and risk analysis



EXPLORATION & GEOSCIENCE

- Exploration strategy and project management
- Project generation, targeting and mineral systems analysis
- Structural analysis, geochemistry and ore body knowledge
- Mapping, sampling and drill planning and supervision



WATER

- Water management and groundwater supply
- Ground/surface water modelling
- Project Approvals
- Dewatering and depressurisation



DATA & TECHNOLOGY

- Data management (capture, data validation and QA/QC)
- Data modelling and visualisation
- GIS and cartography
- Machine Learning and analytics



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