

Rare Earth

CSA Global's team comprise a balanced mix of experienced operational personnel and experts in the fields of QA/QC, geostatistics, resource modelling and mine project geology. CSA Global has more than 10 years' experience in the rare earth, rare metal, heavy metal sands and uranium (all including the soft radioactive minerals).

Recent Iron ore Projects

NATION	PROJECT	DEPOSIT TYPE	WORK COMPLETED
Australia	Kintyre	Uranium	Assessment and forward planning
	Duke-Batman & HoneyPot	Uranium	Resource modeling complying to JORC and NI43-101
	Balline Garnet	Mineral Sands	Provide a mineral resource estimate for Balline Deposit and report
	Lake Way	Uranium	Mineral Resource Estimate
	Meekatharra	Uranium	Initial test sample work of field sample uranium
	Yalgoo	Tantalum	Heritage Survey
	Yandanooka HMS	Mineral Sands	Optimisation study
	JORC Training Workshop	Heavy Mineral Sands	JORC training workshop in Alice Springs
	Kulgera	Heavy Mineral Sands	Database and GIS support, Inferred Resource Estimation
	Coolijarloo North, Coolijarloo, Bidaminna, Bootine, Cataby West, Quinns Hill, Wannamal, Gingin and McKinley	Mineral Sands	Database management & hosting
	Boonanarring & Atlas	Mineral Sands	Indepenant Resources Review
	Nolan's Bore	REE	Provision of database management & administration services.
	Buchanan's Creek & Grant's Gully	Pegmatite Minerals	High level review of pegmatite projects.
	Donald	Mineral Sands	Definitive Engineering Technical Review Study
Hungary	Mecsek Hills	Uranium	Technical Studies to Detailed Scoping Study level
Kazakhstan	Multiple deposits	Uranium	Updated estimates of Kazakhstan Uranium Mineral Resources reported in accordance with the CIM Code, and training.
			Preparation of NI43-101 Technical Report
Madagascar	Multiple Madagascar & Mozambique Projects	Mineral Sands	Mining advice
Malawi	Kayelekera mine	Uranium	Structural Geological Study & onsite Structural Geology Course
Malawi	Multiple	Mineral Sands	Review the resource potential of mineral sands projects
Norway	Kodal deposit	Iron-Titanium-Phosphorous	Competent Person Report
ROC	Hinda Project	P205 and U	Mineral Resource Estimation update
Russia	Elkon Project	Uranium	Reserve Estimate
	Severnoe Deposits	Uranium	Technical review of the Severnoe geological model with QA/QC analysis
	Gornoe & Berezovoe	Uranium	Technical review of the Gornoe and Berezovoe Mineral Resource.
South Africa	Glenover Mine	REE	Staged Feasibility Study
Sweden	Norra Karr Project	REM	Preliminary Feasibility Level Study
Tanzania	Mantra Project	Uranium	Provide metallurgical input for the IER on the Mantra Uranium Project in Tanzania for BDO.
	Mkuju River	Uranium	Resource Estimation and Reporting, Scoping Study Open Pit Optimisation & Design, Heap Leach Definitive Feasibility Study, Geophysical Review, Disequilibrium Review , Grade Control Model and Reconciliation, Prefeasibility Study
	Wigu Hill	REE	Complete Inferred Mineral Resource Estimate and NI 43-101 report
The Gambia	Multiple	Mineral Sands	Exploration Support and Advice- Mineral Sands, The Gambia



Resource
Industry
Consultants

We draw on our collective experience to customise exploration and mining solutions to each client's requirements. Our advice and services are tailored to respond to the individual advantages and constraints of each geographical region.

We have worked with all sizes of companies from small businesses to international majors, as well as with governments and NGO's. We make it our business to get to know and understand the region's cultural diversity, political background, sovereign risk, workforce and technical capability. We identify with each region's approach to sustainability and its level of support for our industry.

About CSA Global

We are a leading geological, mining and management consulting company with 25 years experience in the international mining industry.

Exploration & Evaluation

- Research & targeting studies
- Exploration planning & supervision
- Field investigations
- Project reviews & evaluation
- Technical & expert reporting

Resources & Mine Geology

- Data collection & QA/QC audits
- Geological modelling & Mineral Resource estimation (*JORC, NI.43-101, PERC, China, Russia, etc*)
- Resource assessment & expert reporting
- Mine geology reviews & contract services
- Grade control & dilution management

Community Development & Sustainability

- Impact assessment & sustainability programs
- Stakeholder liaison & community engagement
- Landscape interpretation & geotourism
- Educational workshops & training courses
- Sustainability benchmarking & certification

Data Management & Mapping

- Data capture & validation
- Database design & management
- GIS & mapping services
- Database hosting, security & audits
- Intranet design & setup

Mining & Projects

- Ore reserve reporting & classification
- Mine & operations design & strategy
- Engineering studies (*concept & PFS to BFS*)
- Due diligence & operational audits
- Strategic planning & productivity improvement

www.csaglobal.com

CSA Global Head Office

Level 2, 3 Ord Street
West Perth, WA 6005

T +61 8 9355 1677

E csaaus@csaglobal.com

CSA Global Russia

40/12 Bldg.20 Nizh. Krasnoselskaya Street
Moscow 105066 Russian Federation

T +7 499 501 3328

E csarusia@csaglobal.com

Global offices in

Perth • Brisbane • Darwin • Adelaide •
Horsham • Jakarta • Vancouver •
Johannesburg • Moscow



Scan QR Code for the
Capability Statements
section of our website