

Uranium

As the world searches for cleaner energy sources the uranium sector remains a critical resource for low emissions energy. CSA Global has been active in many of the “hotspots” for uranium, including the Kazakh region. We are able to draw on a depth of experience from geoscientists and engineers with expert level knowledge in uranium, initially gained during the boom of the 1970s and 80s, and built on through to the present.

Recent Projects

NATION	PROJECT	DEPOSIT TYPE	WORK COMPLETED
	Ashburton	Various	Prospectivity analysis, targeting study and exploration advice.
	Kintyre	Structurally hosted	Geological interpretation and modelling, resource estimation, design and implementation of large resource evaluation programme.
	Lake Maitland	Calcrete surficial	Exploration and evaluation programme management.
	Lyous River	Sandstone hosted	Exploration programme design, data review and planning.
	Myroodah	Sediment hosted redox	Exploration review and targeting studies.
	Mapoke Well	Calcrete hosted	Mineral Resource estimation.
	Bigryli	Sandstone hosted	Mapping, stratigraphy and targeting study.
	Napperby	Calcrete surficial	Resource estimation and a drill hole spacing optimisation study to determine appropriate drill patterns for ongoing evaluation and resource estimation of the larger project area.
	Arnhem Land	Unconformity related	Geological technical synthesis, data interpretation and geological mapping.
	Lake Gregory	Sandstone hosted	Exploration review, field mapping and exploration programme management.
	Duke Bateman & Honey Pot	Metasomatic	Resource modelling complying to JORC and NI43-101 standards.
	Paroo Range	Uranium	Data review and exploration targeting.
	Manyingee East	Uranium	Mineral Resource estimate.
	Ngalia	Uranium	Mineral Resource estimate and validation of exploration databases and Lithostratigraphic modelling.
	Budenovskoye	Sandstone hosted roll front for ISL	Geological modelling, Resource and Reserve estimation, NI 43-101 reporting.
	South Inkai	Sandstone hosted roll front for ISL	Geological modelling, Resource and Reserve estimation, NI 43-101 reporting.
	Zarechnoye	Sandstone hosted roll front for ISL	Geological modelling, Resource and Reserve estimation, NI 43-101 reporting.
	Khorasan	Sandstone hosted roll front for ISL	Geological modelling and Mineral Resources.
	Livingstonia	Sandstone hosted	Resource estimation and evaluation drilling programme design.
	Kayelekera	Sandstone hosted	Structural studies, exploration programme review and training.
	Takadeit	Sandstone hosted	Targeting studies and exploration programme design.
	Zherlovoye & Argunskoye	Metasomatic	Engineering study of the development of the Zherlovoye and Argunskoye deposits (underground mines).
	Elkon	Metasomatic	Trade off study.
	Severnoe	Metasomatic	Technical review.
	Berezovoe	Metasomatic	Mineral Resource estimation.
	Mkuju River	Sandstone hosted	Definitive Feasibility Study level geology studies including targeting, programme design, resource modelling and estimation and field programme management.
	Temrezli	Sandstone hosted	Resource modelling and estimation.
	Kariba	Sandstone hosted	Field support, geology mapping, drill hole planning, resource estimation, mine planning, GIS drafting and JORC Code resource and reserve reporting.
	Marenica	Sandstone hosted and primary	Independent review and ongoing delivery of technical advice. Resource estimation, geological support and database management.
	Omahola	Structurally hosted	Independent technical assessment and valuation.



Mining
Industry
Consultants

CSA Global draws upon our collective experience to customise exploration and mining solutions to each client's requirements. Our advice and services include; radiation management plans, occupational health and safety, spectrometers and field portable XRFs available for rent and assistance with permitting, which are tailored to respond to the individual advantages and constraints of each geographical region. These services help us to provide a holistic approach to operating within the uranium mining sector.

CSA Global's staff have been involved in evaluating some of the major projects progressing towards development in Australia and Africa. Much of the work has involved reassessing projects discovered in the 1970s and 80s, while other jobs have involved the application of new technologies and geological concepts to discover exciting new prospects. Our staff have been involved on projects covering all the economically significant deposit styles including unconformity-associated vein mineralisation, surficial / calcrete deposits, sandstone-hosted redox deposits and intrusive-related uranium mineralisation.

About CSA Global

We are a leading mining, geological, technology and management consulting company with more than 30 years experience in the international mining industry. We cover all stages of the exploration and mining cycle, including mineral commodities and extraction methods across all regions:

CORPORATE

- Project reviews
- Due diligence
- Expert valuations
- Independent reports
- Geo-corporate advice
- Secure information hosting (Spring portals & data rooms)

MINING

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

RESOURCES

- Review of data collection techniques & QAQC of data
- Geological & geo-metallurgical modelling
- Geostatistical analysis & variography
- Mineral Resource estimation, validation & classification
- Resource reporting in accordance with international codes
- Resource audits & risk analysis

EXPLORATION

- Mineral systems targeting & project generation
- Remote sensing & geophysics
- Geochemistry (traditional & non-destructive methods)
- Mapping & field investigations
- Drill program planning & supervision
- Exploration strategy & project management

TECHNOLOGY

- Data management (capture, data warehousing & QAQC of data)
- Data visualisation, analytics & cartography
- GIS plans, sections & 3D plots
- IT Management (health reporting, auditing, cyber security advice)
- Project design & management (Cloud systems design, infrastructure design & implementation)
- Mining specialist IT Helpdesk

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

