

# Asia

Since 1984, CSA Global's consultants have worked on a diverse range of projects in the Asian region, across many mineral commodities and covering all stages of the exploration and mining cycle. Our offices in Jakarta and Moscow provide local knowledge and services in the Central and Southeast Asian regions.

## Recent Projects

NATION	PROJECT	COMMODITY	WORK COMPLETED	
	Armenia, Kazakhstan, Kyrgyzstan & Russia	Various	(See Russia Capability Statement).	
	Cambodia	Okvau	Gold	Project review and due diligence.
	China	Caijiaying	Zinc, gold	Exploration, resource and reserve estimation, data management, feasibility development and mining.
		Tanjianshan	Gold	Database review and database management.
		Huadian	Gold	Independent Geologist Report (ASX).
	India	Various	Diamonds	NI43-101 Technical Report (TSX).
		Hindustan	Zinc	Exploration advice.
	Indonesia	Various	Various	(See Indonesia Capability Statement).
	Laos	Century & Xekong	Gold, copper	Exploration project audits and targeting study.
		Tharkhek	Copper, gold	Resource estimation.
	Malaysia	Penjom	Gold	Competent Person report (Oslo SX).
		Selinsing	Gold	Exploration audit and targeting study.
	Mongolia	Khongor	Copper, gold	Project assessment and exploration management.
		Various	Coal	(See Coal Capability Statement).
	Myanmar	Sagaing	Gold	Exploration management, scoping study.
		Longh Keng	Zinc	Exploration management, scoping study.
	Papua New Guinea	Kainantu	Gold	Project evaluation.
		Mambare	Nickel	Resource estimation.
	Philippines	Masbate	Gold	Mine grade control review and gap analysis.
		Mabilo, Mindanao	Copper, gold	Due diligence assessment, NI43-101 Technical Report (TSX).
		Various	Nickel	Laterite project reviews and evaluation.
	Saudi Arabia	Khnaigiyah	Zinc, copper	VHMS, evaluation and resource estimation.
	Singapore	TKS	Coal	Valuation, Qualified Persons report (SGX).
	Sri Lanka	Various	Graphite	Independent Geologist Report (ASX).
	Thailand	Various	Zinc	Exploration management and mining studies.
		Puthep	Copper	Independent review of resources and reserves.
	Turkey	Meskan	Zinc	Targeting evaluation and team mentoring.
		Efemcukuru	Gold	Mine reconciliation and mine geology.
	Vietnam	Bao Loc	Bauxite	Independent Geologist Report (ASX).
		Co Dinh	Chromite	Feasibility studies.
		Ban Phuc	Nickel	Technical consulting, NI43-101 Technical Report (TSX).
	Yemen	Jabali	Zinc oxide	Due diligence assessment.



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. This approach helps us to provide a holistic approach to operating within Asia.

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 30 years experience in the international mining industry. We cover all stages of the exploration and mining cycle, all mineral commodities, all extraction methods, across all regions:

### 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

### 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

### CORPORATE

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

### 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

### DATA

- Sourcing, capture, validation & QAQC of data
- Database design, setup, management & hosting
- Cartography, GIS & web-mapping
- Production databases & management tools
- Online information management systems (Spring portals & data rooms)
- IT support, systems administration & training

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#### Global offices in

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



Scan QR Code for the Capability Statements section of our website

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