



**Resource
Industry
Consultants**



Asia

CSA Global Asian Expertise

Since 1986, 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 office in Jakarta provides local knowledge and services in the Southeast Asian region.

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 avenue to operating within the Asian region.

We have worked with all sizes of companies from small businesses to international majors, also with governments, communities and NGOs. We make it our business to get to know and understand the region's cultural diversity, history and technical capability. We identify with each region's approach to sustainability and its level of support for our industry.

Our offices in Perth, Darwin and Brisbane in Australia, Jakarta in Indonesia and London in the UK are ideal regional hubs which provide around the clock support to our consultants who have been servicing the Central and South East Asia regions for more than two decades.

Exploration & Evaluation

- Research & targeting studies
- Exploration planning & supervision
- Field investigations (*mapping, geochemistry, drilling, etc.*)
- Project reviews & evaluation
- Technical & expert reporting

Data Management & Mapping

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

Resources & Mine Geology

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













Mining & Projects

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

Community Development & Sustainability

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

Recent Asian Projects

ASIA	PROJECT	COMMODITY	WORK COMPLETED	
	Armenia	Kapan mine	Gold	Project audit, grade control, and mentoring
	China	Caijiaying	Zinc /gold	Exploration to feasibility development and mining
		Tanjianshan	Gold	Database review and database management
	Indonesia	Various (see Indonesia Cap Stat)	Nickel, copper, zinc, tin and coal	(See Indonesia Cap Stat)
	Kyrgyzstan	Bozymchak	Copper/gold	Open pit and underground mining studies
		Bozymchak	Copper/gold	Full project detailed design fatal flaw review
		Shambesai	Gold	Open pit and heap leach Scoping Study
	Kazakhstan	Mizek	Copper/gold	Project review
	Laos	Regional	Copper	Basin metallogeny workshop and geological consultation
		Century & Xekong	Gold	Exploration project audits
	Malaysia	Penjom Mine	Gold	Independent Competent Persons report for stock exchange listing
	Mongolia	Khongor	Copper/gold porphyry	Project assessment and exploration management
	Papua New Guinea	Aries and Sagittarius	Gold	Develop, implement and manage exploration strategy, database and GIS evaluation and implementation
	Philippines	Masbate Mine	Gold	Grade control review and gap analysis
		Philippines	Nickel	Laterite Project review and evaluation
	Russia	Angara gold project	Gold	Due diligence assessment
		Ozernoe SHMS	Zinc/lead	Project evaluation and assessment of oxide resource
	Saudi Arabia	Khnaigyiyah VHMS	Zinc, copper	Management of evaluation program and resource estimation
	Thailand	PDI Exploration	Zinc	Exploration management, mining studies
		Puthep	Copper	Independent review of resources/reserves
	Turkey	Meskan	Zinc	Targeting evaluation and team mentoring
	Vietnam	Bao Loc	Bauxite	Independent Geologists Report
		Co Dinh	Chromite	Geology, resource, geotechnical, hydrology, dredging and tailings disposal components of FS
	Yemen	Jabali	Zinc	Due diligence assessment

About CSA Global

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

We cover all stages of the exploration and mining cycle:

Exploration & Evaluation

Data Management & Mapping

Resources & Mine Geology

Mining & Projects

Community Development & Sustainability

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