



CSA Global's consultants have worked on a diverse range of projects since 1984 within Europe, across all mineral commodities and covering all stages of the exploration and mining cycle. More recently these projects have been supported by full time staff based out of the United Kingdom.

Recent Projects

NATION	PROJECT	COMMODITY	WORK COMPLETED
	Amulsar	Gold	Resource estimation, mine planning and Preliminary Economic Assessment.
	Shahumyan	Gold, Copper, Silver, Zinc	Shahumyan mine geology review and training program.
	Shahumyan	All	Grade Control Review 2013 & 2014.
	Shahumyan	Copper, Gold	NI 43-101 Technical Report.
	Shahumyan	Polymetallic	Annual resource updates, operational improvements 2012-2016.
	Amulsar	Gold	Resource estimation, mine planning and Preliminary Economic Assessment.
	Tukhmanouk		Resource review and mine planning.
	Chelopech	Polymetallic	Annual resource updates, operational improvements 2012-2016.
	Laiva	Gold	Independent Geologist Report, exploration planning, reconnaissance field work, recoverable Mineral Resource estimation, grade control support and reconciliation.
	Kevitsa	Nickel, PGE, Copper, Gold	Successive resource updates during Pre-Feasibility Study and Bankable Feasibility Study, grade control and reconciliation planning.
	Mecsek East	Coal	Underground coal gasification review.
	Drazhnje	Zinc, Lead	Project review and resource estimation.
	Nussir	Copper	Project review.
	Kodal	Phosphate, Iron, Magnetite	Mineral Resource Estimation, Competent Persons Report.
	Ulveryggen	Copper	Project review.
	Rokitno	Zinc, Lead	Project review.
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	Neves-Corvo Mine	Tin	Mine planning project review.
	Lagares	Gold	Project reviews.
	Argemela	Tin, Lithium	Internal Mineral Resource report.
	Multiple	Multiple	Project review.
	Angara	Gold	Due diligence review.
	Gornoe & Berezovoe Uranium Deposits	Uranium	Technical review of the Gornoe and Berezovoe Mineral Resource.
	Kondyor Platinum Deposits	Platinum	Modelling and preparation of recommendations for exploration.
	Tyrnyauz	Molybdenum, Tungsten, PGE	Due diligence review.
	Cukaru Peki	Copper, Gold	Fatal Flaw Due Diligence Report.
	Barruecopardo	Tungsten	Resource estimation, mine planning and Bankable Feasibility Study.
	Portas	Gold	Project review.
	Viscaria	Copper	Scoping Study, resource estimation, pit optimisation and database management.
	Cevik Chromite	Chromium	Review of resources and mining.
	Efemcukuru	Gold	Development of mine geology systems and reconciliations.
	Meskan	Zinc, Lead	Exploration planning and drill program management.
	Cononish	Gold	Resource Estimation for ankable Feasibility Study, operational planning.
	Multiple	Multiple	Project review.



**Mining
Industry
Consultants**

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. Our offices in Australia, Indonesia and the UK are ideal regional hubs which provide around the clock support to our consultants who have been servicing the European region for three decades.

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:

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

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

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VERSION DATE - JUNE 2017

Europe

