



CSA Global
Mining Industry Consultants
an ERM Group company

DATA AND TECHNOLOGY

Delivering data management and technology solutions
to help clients manage their most important asset.

CSA Global (an ERM Group company) is a geological and mining consulting company providing strategic services and advice to companies in the global minerals sector.

We have more than 35 years international experience across all mineral commodities with offices located in Australia, Canada, Indonesia, Ireland, South Africa and the United Kingdom.



DATA MANAGEMENT SERVICES

CSA Global's Data services team includes a balanced mix of experienced GIS, database, and IT personnel who take a 'hands on' approach to assessing our clients' projects. CSA Global assists clients in following a structured data analysis and decision making process.

Our experienced team offers clients authoritative advice on the implementation of technology solutions best suited to particular schedules and budgeting requirements. Our consultants can also provide the necessary skills development and training to optimise the use of these solutions.

Our Data services include:

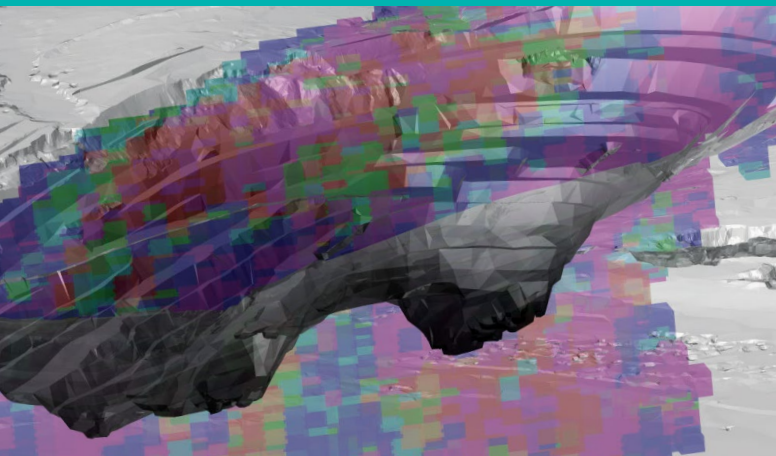
- Sourcing, capture, validation & QAQC of data
- Database design, setup, management & hosting
- Cartography, GIS & web-mapping
- Production databases & management tools
- Online information management systems (Spring portals & data rooms)
- IT support, systems administration & training

UTILISING YOUR DATA

We ensure database management and data information extraction are based on a thorough understanding of current industry trends and technology combining the best exploration and mining applications with the latest software and technological solutions.

This provides our clients with access to powerful cutting-edge tools with which to collate and manage their most important asset, their data and project information.





Some applications of this type of technology are:

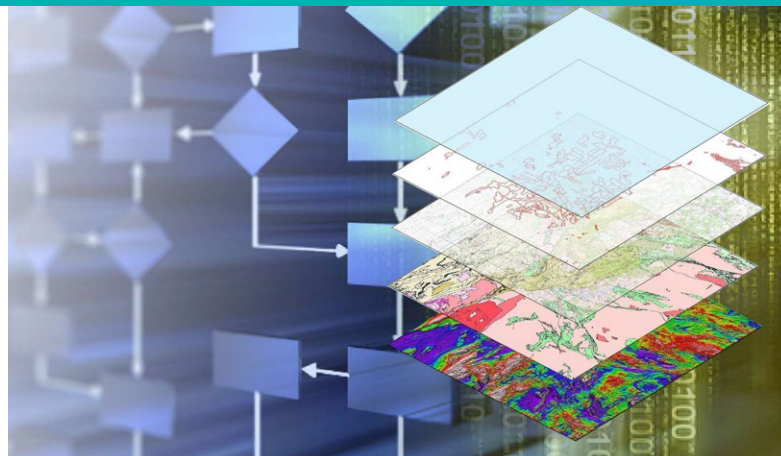
- Exploration mapping
- Mine planning
- Land use planning
- Data integration
- Data audits
- Historical Data Mining
- 3D visualisation
- Environmental management
- Transportation and infrastructure planning
- Fly-throughs and animations

TECHNOLOGY SOLUTIONS

Working closely with our clients CSA Global is able to improve data quality through the implementation of an integrated suite of online data-management tools with mobile digital capture systems and predefined data validation.

We can assist clients with:

- Online data management and integration
- Web-based mapping and GIS
- Online content and workflow management
- Data workflow development
- Global access and collaboration



Data Management

- Online Collaboration Systems
- Data Compliancy, Reporting & QAQC
- Data Migrations
- Storage & Handling
- Design & Implementation
- Data capture & Transformation

GIS

- Planning
- Analysis
- Design & Implementation
- Online Systems

IT Support

- Document Control
- Statutory Reporting
- Data Management Procedures
- Technology Advice

Cartography

- Reporting Figures
- Custom Graphics
- Mapping Products
- Marketing Material

Training & Support

- Ongoing Support
- Customised Onsite Training



About CSA Global

CSA Global delivers trusted technical services, training and independent advice to public and private mining companies, governments, industry associations, financial and legal groups around the world.

We are fully supported by our parent company ERM, a leading global provider of environmental, health, safety, risk, social consulting services and sustainability related services.

Collectively, we have more than 6,100 people in over 40 countries and territories working out of more than 160 offices globally who are helping us to deliver innovative solutions to help our clients manage and understand their sustainability challenges.



CORPORATE



MINING



RESOURCES



EXPLORATION



DATA & TECHNOLOGY



WATER

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