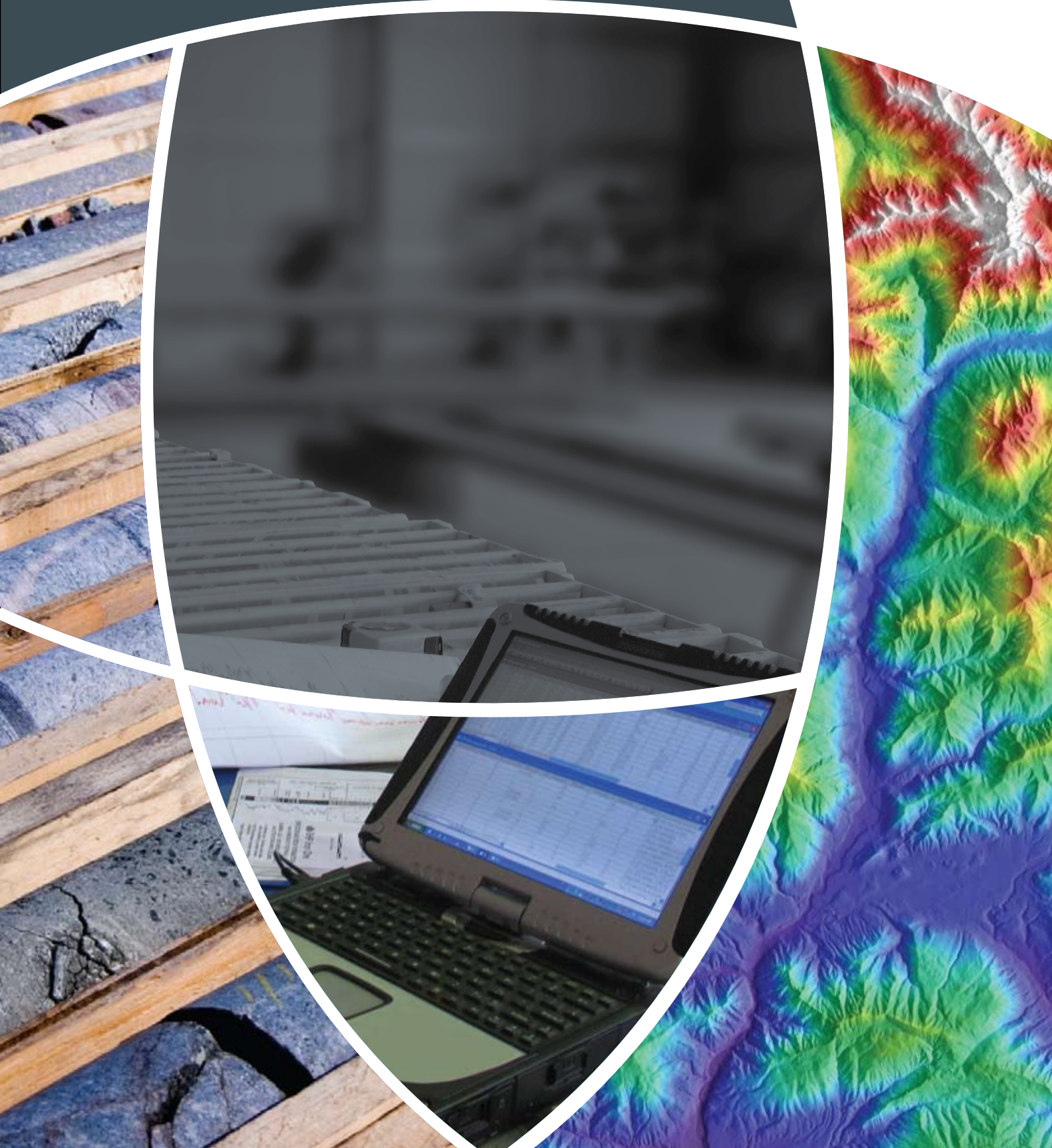


CSA Global

Resource Industry Consultants

Data Management & Mapping



CSA Global are a geological, mining and management consulting company providing strategic mining services and advice to companies in the international mining industry. We have over 25 years international experience in most mineral commodities, with offices located in Perth, Jakarta, London, Darwin and Brisbane. The diversity of our services provides successful solutions for client needs and ensures an innovative and integrated approach to all our projects.



Data Management & Mapping

The team comprise a balanced mix of experienced GIS, Database, and IT personnel. We take a 'hands on' approach to assessing our client's projects to ensure that database management and data information extraction are based on a thorough understanding of current industry best practices.

Our team has the experience to empower clients with the technology solutions they need to suit particular schedules and budgeting, and to provide upskill training and support to staff to maximise their potential.

Utilising Your Data

GIS has emerged in the last decade as an essential tool for project planning and management. CSA combines these systems with the latest database software to provide clients with powerful tools that assist in the decision making processes. Some applications of this type of technology are:

- Exploration mapping
- Mine planning
- Market analysis
- Land use planning
- Real estate analysis
- Utilities management
- Ecosystems modelling
- Visual impact analysis
- Facilities management
- Landscape assessment and planning
- Transportation and infrastructure planning





Training and Support

CSA can assist in training and support to keep your staff up to date with their skills in new technologies in areas such as:

- Cartography
- Data capture
- Advanced data reporting
- Advanced database queries
- Database management
DataShed, GBis, Access, LogPlot etc
- Desktop mapping with GIS
ESRI, Encom/MapInfo, Micromine etc
- GIS analysis, 3D modelling and visualisation
- Data mining for historic and government data from various sources

Technology Solutions

Improve data quality with mobile and handheld data capture solutions. By working closely with clients CSA can implement digital capture systems with predefined data validation.

GIS

- Planning
- Integration
- Design & Implementation
- State of the Art Software

Data Management

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

Cartography

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

IT Support

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

Training & Support

- Ongoing Support
- Customised Onsite Training

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

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

Global offices in • Western Australia
Queensland • Northern Territory
United Kingdom • Indonesia

