

- Field Supervision (+)
- Data Capture (+)
- Validation (+)
- Modelling (+)
- Reporting (+)

# SOLUTIONS FOR THE COAL INDUSTRY



**PIÑATA RESOURCES**  
EXPLORE EVALUATE DEVELOP



## AN EXPERIENCED GEOSCIENCE TEAM

### About Us

Pinata Resources is a team of geoscience specialists boasting extensive experience spanning from exploration through to mining and modelling, we are committed to delivering comprehensive solutions. Our focus is on optimising data management and resource assessment, enhancing operational efficiency and facilitating informed decision-making within the dynamic natural resources industry.

Pinata Resources has a proven track record in successful support of coal projects from exploration through to modelling and reporting, our coal specialist team is committed to delivering dedicated and custom assistance, whatever the need may be.

With Australian field-based as well as globally-located personnel, Pinata can offer support and services to cover any aspect of a coal project from field data capture (logging and supervision), to data validation, analysis and modelling, to JORC reporting. With our international presence, Pinata can offer seamless and timely solutions to any coal project.

## Our Services

Clients engage our services to support their projects by leveraging cost-effective and expert geoscience services in the coal industry. Our team brings comprehensive coal experience provides services including:

- ✓ Coal target and exploration drilling campaign design
- ✓ Field-based services including borehole logging, sampling and supervision
- ✓ Data capture, storage and validation practices and database tools to enhance data management and accessibility
- ✓ Resource and reserve modelling for mine support
- ✓ Compliance and JORC reporting

## Our Coal Specialist Team

Pinata Resources prioritise client satisfaction above everything else. Our dedicated team works tirelessly to understand their unique needs and provide tailored solutions to meet them. We pride ourselves on our quality and attention to detail, aiming to exceed the expectations of every client. Our customer support is unparalleled with personnel always available to address any questions or concerns. Choosing us means choosing a reliable partner who is committed to delivering exceptional value and building long-lasting relationships.

### *Nicholas Ryan*

With 15 years of experience in exploration projects and operating mines with extensive experience in the technical considerations for exploration, exploration information management, execution of exploration programs, technical risk assessment of mining projects, technical compliance, estimation and reporting of Coal Resources and Mineral Resources under the JORC Code and compliance with other international standards.

### *Nicole Foley*

Nicole is a Senior Geologist with over 15 years' experience in exploration, mining, geological modelling and database management. Her broad range of technical experience in both the field and office settings encompasses design and implementation of exploration programs, team mentoring, resource estimation and successful project management in minerals and coal projects.

### *Cameron Tomko*

Cameron is a Geologist with more than 12 years' experience in the mining industry. He has undertaken a diverse range of drilling rig and exploration work on multiple coal and gas projects in the Bowen Basin and Hunter Valley as Exploration Geologist, Project Geologist role and Site Supervisor to implement drilling programs in remote greenfields exploration and mining lease application operations supervising up to 30 people.

# Coal Geologist Roles

Our personnel are involved in the planning, exploration, analysis and evaluation of coal deposits. Their expertise contributes to the understanding of coal resources and their potential for extraction and utilisation. Personnel are responsible for conducting and supervising fieldwork, collecting geological data, undertaking sampling, and collaborating with cross-functional teams to ensure efficient and responsible coal exploration and mining operations.

## Responsibilities

- ▶ Conduct geological surveys and field investigations to identify and assess coal deposits including their quality, size and spatial distribution.
- ▶ Log and analyse geological data such as drill core and cuttings, seismic data to determine coal seam characteristics and potential economic value.
- ▶ Analyse downhole geophysical logs to interpret coal seam depths and characteristics.
- ▶ Collect coal seam samples, reactive ground samples, and coal gas samples.
- ▶ Collaborate with resource geologists, mining engineers and environmental experts to develop mining plans that optimise resource recovery while minimising environmental impact.
- ▶ Prepare detailed geological maps, cross sections and reports to communicate findings to internal teams and regulatory authorities.
- ▶ Utilise geological software and modelling tools to create accurate 3D models of coal deposits for resource estimation and mine planning.
- ▶ Monitor drilling and exploration activities, ensuring adherence to safety protocols and data collection standards.
- ▶ Log and test drill core to program requirements.
- ▶ Provide technical expertise and support to colleagues, contractors and management on geological matters.
- ▶ Participate in site visits, inspections and audits to ensure compliance with geological and regulatory requirements.
- ▶ Maintain current awareness of advancements in coal geology, exploration techniques and regulatory requirements.
- ▶ Actively engage in safety toolbox meetings and demonstrate an ability to identify and control potential hazards in both exploration and mine site environments.
- ▶ Participates in Health and Safety initiatives, including daily fit-for-work testing

## Other requirements

We ensure our personnel meet coal industry and site competency requirements including:

- ▶ Coal Board Medical
- ▶ Open drivers licence
- ▶ Standard 11 generic induction
- ▶ G1 – RIIRIS301E – Apply risk management processes
- ▶ G2 – RIIRIS402E – Carry out the risk management process
- ▶ G8 – RIICOM301E – Communicate information
- ▶ Senior First Aid Certificate



FIELD READY COAL GEOLOGISTS  
SUPPORTED BY EXPERIENCED  
TEAM

# Activities

## ▷ Field-based support

- › Supervision of exploration personnel, including geologists, drillers, geophysical loggers
- › Logging and sampling of chips and core, despatch to laboratory and record preservation (logs, field photography including core photos)
- › Liaison with landowners, mining personnel and other stakeholders

## ▷ Database creation, migration and maintenance

- › Creation of custom-built databases from the ground up
- › Utilising existing software for database management
- › Migration of data from existing database to a new or upgraded platform, including post-migration testing
- › Database administrators available for comprehensive database management

## ▷ Data Validation

- › Best-practice data validation methods and cleaning of data prior to modelling
- › Transparent capture and storage of data for auditing purposes

## ▷ Data Modelling

- › 3D modelling of a coal resource using industry-leading software
- › Resource and Reserve estimation

## ▷ Reporting

- › Model reporting
- › Resource/Reserve reporting
- › JORC, ASX
- › Compliance reports

## ▷ Extras

- › Historical data extraction
- › Technical Writing
- › Competent Person Signoff
- › KPI Reporting

## Discover More

Our team of coal specialists have provided their expertise in Australia and internationally in consulting and operational roles. We have been involved in all aspects of coal resource management. With this extensive knowledge and expertise, we possess a deep understanding of every nuance of coal. We are equipped to apply best-practice solutions throughout all stages of a coal project.

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