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Mining Skills Australia

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CONTENTS

ANIMATION 4

TRAINING 6

EMERGENCY MANAGEMENT 10

CONTRACTOR MANAGEMENT 12

MANAGEMENT 14

GEOLOGICAL MANAGEMENT 16

GLOBAL TRAINING SERVICES 18

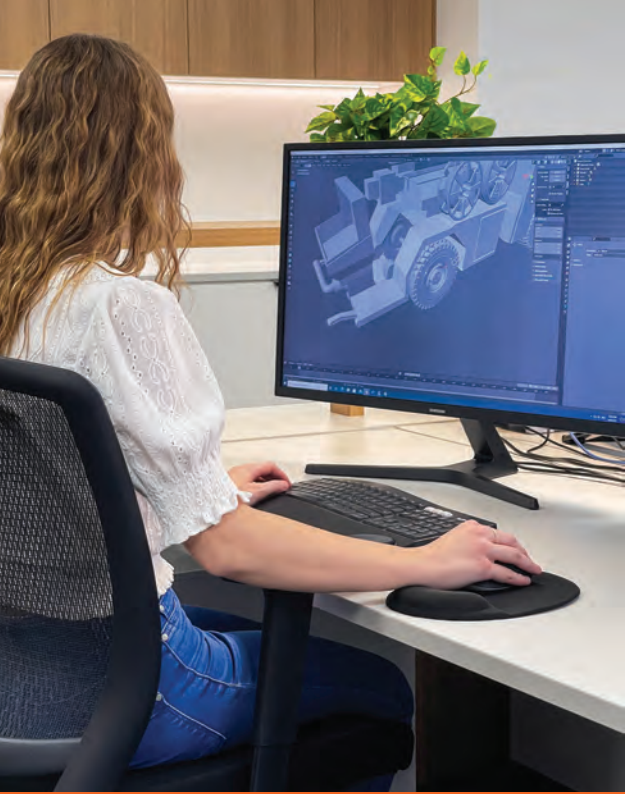


MINING SKILLS AUSTRALIA

ANIMATION

Animation is an integral component of Mining Skills Australia, at MSA we use our animations in a blended learning approach to effectively deliver our training packages. Animation when used as a learning tool severely outweighs other types of media for a variety of reasons, for example:

- ✓ Animation is completely visual, the cognitive benefit in a learning situation has been proven time and time again to be effective as it is stimulative, constructive and long lasting.
- ✓ Animations also make use of “audio visual education”, the use of audio-visual aids makes the students remember concepts for longer periods of time.
- ✓ Animation is a customisable experience. Mining Skills Australia uses animation as clients and developers can entirely construct a situation or condition to a brief, as opposed to film or video where you are subject to variable situations, using animations means the perfect scenario, every time.
- ✓ Another huge benefit to animation is remote technologies. Animations do not need access to filming locations, expensive equipment or even office spaces, a big advantage in this era of COVID is making use of remote technologies, what this means is that if a lockdown or outbreak occurs, we have the tools and knowledge to remotely deliver products and packages, on time, without delay.



Core Competencies

The animations that are produced at Mining Skills Australia are industry backed practices, this means the animations created are an accurate and real representation of a real-world procedure or practice.

Some of our many animated competency packages include:

- ✓ Consumer customised 3d assets, environments, and practices, this means curation of product to ensure perfect results.
- ✓ Expertise in a myriad of types of media, including but not limited to Virtual Reality, Augmented Reality, Animation Video, 2D motion graphics and Gamification.
- ✓ Translating training packages and work instructions and workplace procedures into visual information that helps to stimulate learning through audio visual encouragement.

Mining Skills Australia can develop animations for any training-based practice for any industry, we are always looking for ways to innovate and integrate new technologies and ideas into our body of work, Mining Skills Australia prides itself on its modern integration into training and encouragement of educational material for learning development.



MINING SKILLS AUSTRALIA **TRAINING**

Mining Skills Australia is a supplier of proficiency and competency-based training programs and resources globally and across Australia. Our products and services are targeted at the development of all mine site personnel through practical on-site training.

To support the training needs of various sites we have a range of equipment specific animations and eLearning resources used in online and tablet-based applications. Mining Skills Australia has found that the suite of animated eLearning resources is working to lessen the knowledge gap when supporting Literacy, Language and Numeracy (LLN) issues in the workplace. The advantage of the animation resources is that they visually and audibly appeal to the learner and allows the context of the task to be demonstrated in real time in various languages.

To support our resources, Mining Skills Australia:

- ✓ Customises training resources through eLearning capabilities for remote locations globally.
- ✓ Trains on-site, new to industry personnel, certified trainers, load and haul supervision, management, and provides machine application and operator training specialists with the tools to implement proficiency and competency-based training programs.
- ✓ Develops and maintains competency-based training resources and packages in line with the Resource, Industry, and Infrastructure (RII) training packages.



- ✓ Contextualises Supervisor and Mine Management Training packages, mapped to Legislative and Industry requirements.
- ✓ Provides access to Production Mine Manager, Open Cut Examiner, Load and Haul Supervisors and Site Senior Executive trainers and mentors with over 50 years' experience in various Open Cut Mines within Australia and Internationally.

Mining Skills Australia believes operator technique standardisation is essential based on the requirements for your mine site. By providing and demonstrating hands on in cab proficiency training, we fine tune production operators across load and haul efficiency awareness ultimately to increase BCM or tonnage per hour for our clientele.

Using our specifically built analytical tool for logging and reporting operator progress, Crew, Supervisors and Training Departments can get real time reports as to operator output for review and intervention.

Mining Skills Australia's Load Haul programs emphasises production unit versus forecast improvements. During the training we complete a real time analysis of the operator. This will be measured against the targeted output required by the client so that improvements or enhancements can be made to the load and haul cycle.





Many of these programs have been customised for the requirements of the client, however we are able to supply nationally recognised competency-based training to ensure that learners meet the requirements of your statutory body.





MINING SKILLS AUSTRALIA **EMERGENCY MANAGEMENT**

Mining Skills Australia specialise in providing the most comprehensive emergency response services available. Our purpose is to ensure that our clients are not only operationally prepared, but compliant under any Mining Health and Safety Legislation, Recognised Standards, and Mining Emergency response guidance notes. We provide Medical Oversight, Clinical Governance and Drug Licensing which covers everything associated with drug management, credentialling, education and quality assurance.





Mining Skills Australia provide experienced and motivated emergency management teams that are proactive in the pursuit of ensuring the site is prepared for any possible incident, working backwards from the worst-case scenario, and mapping all activity back to the sites Emergency Management Plan.



Our emergency management teams can be used at any level in the planning to operational phase, from strategic planning through to site-based reviews of procedures and equipment.

These men and women are trained and experienced in managing any incidents, treating, or stabilising injuries and illnesses presented in the field. They understand our clients' OH&S strategies and guidelines and ensure our clients' interests are considered in any work-related injuries or illnesses.



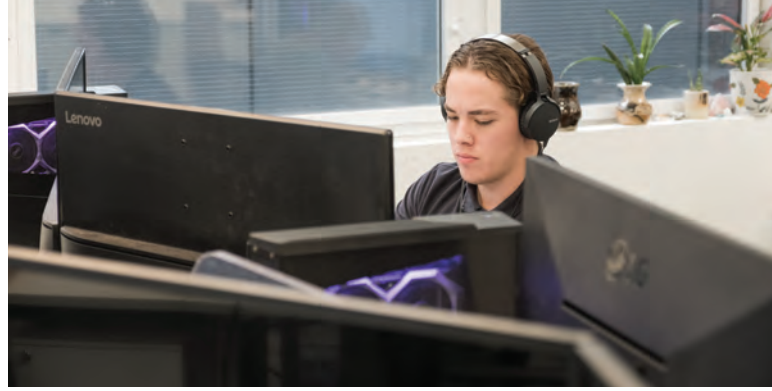
MINING SKILLS AUSTRALIA **CONTRACTOR MANAGEMENT**

The point of difference with Mining Skills Australia Contractor Management approach, is critical in ensuring not only that Contracts, Agreements, Relationships, Joint Ventures and Partnerships are delivered on time and within budget, but the strategic intent, engagement, risk and performance outcomes meet with the obligations of all parties engaged in the specified Project.

Mining Skills Australia Contract Management is not Contract Administration.

Contractor Managers have many years of experience gained by working with and for major global mining companies, Government departments, diverse communities and trade organisations.





Unlike generic Contract Administration processes, Contractor Management by Mining Skills Australia focuses on achieving strategic business objectives, commercial and legal awareness, cross functional workplace inclusion, training and development of each team members roles and responsibilities ensuring the inclusion of safe practices, by:

- ✓ Training and development of participants in all facets of Contractor Management, which is provided on an ongoing basis.
- ✓ Developing the scope / contract in accordance with agreed objectives including mechanisms for reviewing work in progress is established.
- ✓ The process is reviewed against appropriate evaluation criteria (goods versus services) developed by a participant in each functional department.
- ✓ Compliance audits are conducted to establish the extent to which site policies, procedures and objectives are compliant and Duty of Care obligations are met.
- ✓ At all stages within Contractor Management, interfaces between the Contractor and other participants are clearly defined and facilitated by the Mining Skills Australia Contractor Manager.

At Mining Skills Australia, we believe our Contractor Management approach provides sustainable Learning and Development to all participants and enhanced commercial and operational outcomes.



MINING SKILLS AUSTRALIA **MANAGEMENT**

Mining Skills Australia offer Leadership and Management courses for Supervisory or Management roles to build leadership skills. The courses will train you to monitor health and safety, implement an operational plan, manage projects, promote team effectiveness and show leadership in the workplace.

These courses introduce the generic concepts of process management and systems engineering and develops models for how these techniques can be applied to different mining systems.

Different aspects of mining operations require different management approaches. These courses provide applied management theory and practices in each area of project, process, contracts and contractor management.





In each case, examples and case studies are linked to mining operations.

The courses work through a typical mining system to identify the embedded sub-projects and processes which are inherent to the mining system and demonstrates the role and benefits of applying different management techniques.

Mining Skills Australia offer Project Management using the application of knowledge, skills, tools, and techniques applied to project activities to meet the project requirements.

Managing a project includes identifying your project's requirements and what everyone needs from the project. What are the objectives for the project. Making sure the goals set are agreed on by everyone to avoid team conflicts later. Understanding and addressing the needs of everyone affected by the project means the result of your project is far more likely to satisfy your stakeholders. Balancing the many competing project constraints.



On any project, you will have several project constraints that are competing for your attention. They are cost, scope, quality, risk, resources, and time.



MINING SKILLS AUSTRALIA **GEOLOGICAL** **MANAGEMENT**

At Mining Skills Australia - Geological Management, we offer selected training and services within the Geological and Geotechnical fields encompassing - Exploration, Resource / Project development or Production regimes.

We have highly experienced industry professionals that can assist at all levels required from one off system development to overseeing and implementing Exploration, Production and Resource working projects for a client.

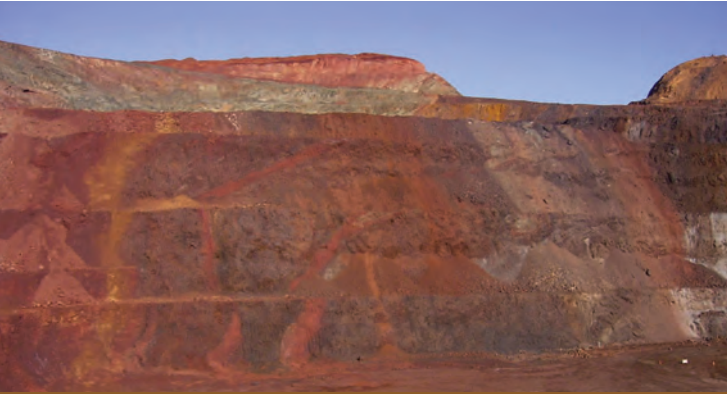
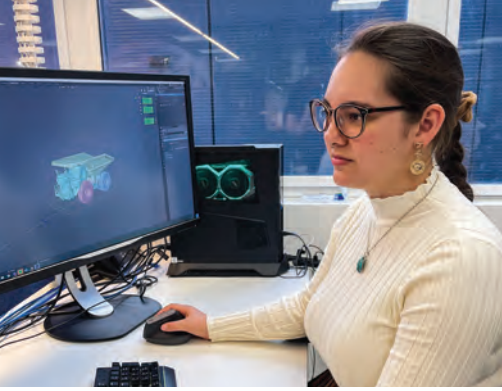
We can coordinate and provide the full suite of geoscientific services to assist in promoting and advancing systems within the geological discipline that require success through system evolution, development, implementation, and critical review.

Geology

Exploration

Services providing exploration tenement activities such as field reconnaissance, mapping, geochemical, geophysical, and geotechnical programs, supervision and sampling of RAB/AC/RC and Diamond drilling programs and field safety.

Other activities include desk top studies, data consolidation, drill design, timeline and budget facilitation, scope development, contractor, landholder, cultural heritage engagement with the aim for coordination of exploration activities for successful, safe completion on time and budget aligning to statutory and industry compliances.



Resource / Project

At Mining Skills Australia, we understand the importance of regular, accurate database analysis to maximise the profitability of a resource. This includes resource estimation and specific interpretation of structural and assay complexities.

Coordinating and maintaining the geological database will result in high levels of data capture accuracy for the full supply chain management. Geological data set interrogation and amalgamation will aid in the development of strategic exploration designs and geological database interpretation and increase confidence in resource assessments.

Production

Fundamental production geology requires the economic and safe extraction of ore, at Mining Skills Australia we can coordinate the collecting of primary geological information coupled with the analysis of the resource model to communicate geological activities to ensure alignment with current geological interpretation and mining plans.

Additionally, conducting day to day, mine geology activities integrated with ore prediction both spatially and for quality purposes will assist the execution of ore deliveries or mine schedule to the Run of Mine (ROM) serving the preparation plant to process stockpiles on grade for rail, in turn maximizing the economic potential of the resource and quality assurance

Geotechnical

We can assist and coordinate the development of geotechnical processes at a resource inclusive of daily, weekly, and monthly geotechnical inspections and subsequent database compilation. This aligns to the development of an overriding Ground Control Management plan (GCMP).

Activities that will align to this process include but are not limited to regular geotechnical hazard identification and interpretation, photogrammetry mapping with RPA equipment, scanner monitoring, blast and post blast interpretations and checklists. Structure mapping with the goal to produce continuous improvement of the GCMP contributing to Risk Assessments, geotechnical development, and compilation of procedures.

GLOBAL TRAINING SERVICES



AFRICA

- Anglo American
- DeBeers
- U&M Mining Chingola
- Hitachi
- Kinross

SOUTH AMERICA

- Anglo American

EUROPE

- Ferrexpo (Hitachi)

ASIA

- Hexindo (Hitachi Mining)
- Lihir Gold
- Ok Tedi
- PT SIS (Saptaindra Sejati)

OCEANIA

- | | |
|-------------------------|------------------------|
| ▪ Alcoa | ▪ Iluka Resources |
| ▪ Anglo American | ▪ Liebherr |
| ▪ Cable Price (Hitachi) | ▪ Mackellar Mining |
| ▪ Batch Fire | ▪ Macmahon |
| ▪ Bengalla Mining | ▪ Middlemount Coal |
| ▪ BHP Iron Ore | ▪ Middlemount South |
| ▪ BMA Coal | ▪ Redpath Mining |
| ▪ Downer Mining | ▪ Rio Tinto Iron Ore |
| ▪ Glencore | ▪ Silverlake Resources |
| ▪ Goldings Contractors | ▪ Thiess |
| ▪ Hitachi | ▪ Whitehaven Coal |
| ▪ HSE Mining | ▪ Yancoal |





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