



**Making the Case for
Great Mine Site Signage**
CASE STUDY

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Mine Site Signage Opportunities

Signage plays an essential role in many industrial situations, and especially so in work sites and mine sites. In this Case Study we explore the myriad of applications for signage in the mining industry, and some of the technological innovations that will deliver improved safety outcomes in the future.

Traditional static signage and modern digital signage both play a part in ensuring that mine site messaging is effective, timely and clear. In many present day situations, a combination of both types of signage will be the most efficient and cost effective. Whilst static signs are hardy and durable in rugged environments, digital signage is ideal for situations where messages change regularly or need to be engaging.

In this Case Study we explore how traditional signage and innovative digital signage can stand the test of some of the toughest conditions on earth. We set out to study the key benefits they deliver and how they can be guaranteed to last the distance.

Exploring Types of Mine Site Signage

Static Signage – options may include:-

- Entry signage – at the site entrance to clearly outline the mine name and brand. Warning signage at the entrance to the site will alert that all visitors must report to the site office;

- Wayfinding – directional signage to help workers navigate around the site. May involve maps or blade signs at strategic points to help with right of way;
- Information Signs – building signage for room names, plant reference codes, donga numbers, and general lifestyle information eg. administration areas, training rooms, camp mess, gym etc;
- Safety Signage - reflective hazard signs promote awareness of possible dangers, critical instructions or important information. All safety signage must meet specific standards in Australia - we can help to make sure you get the right signs for your mine site;
- High visibility signage such as Class 1 reflective and diamond grade reflective tape ideal for buildings and vehicles.

Digital Signage – options may include:-

- Large display screens in key areas showing information such as safety stats, output values, temperature, shift information, LTID's, shift Supervisor names & contacts;
- Interactive touchscreens on site that measure health data of workers eg. temperature, heart rate, hydration e
- Training areas – displaying safety or equipment training, inductions, updates etc;
- Flashing safety or high risk zone signage such as speed warning signs are highly visible - flashing VMS signage creates instant awareness of speed limits. They are a low maintenance and ultra-reliable solution for high-risk areas.

- Underground digital display assets – displaying safety or motivational messaging.

Our Signs & Lines/Yap!digital team have the expertise to design, manufacture, engrave, fabricate and produce all of the above signage types through our in-house facility based in Perth, Western Australia. Whether it is supply of simple reflective, metal letters or a sophisticated interactive digital touchscreen solution, our guarantee is a quality product delivered to mine site compliance and built to last.



Surveying the Benefits to Workers

Whilst some site signage is a mandatory requirement, it can also be used to help workers and visitors explore the mine site safely and enhance their positive wellbeing. It is well known that good signage can help reduce or eliminate accident and injury.

Mine sites will utilise a variety of work zone and mine site range of signage in order to achieve compliance and the best safety outcomes.



- Temporary options include coreflute disposable signage with a short shelf life.
- Longer term statutory, traffic and danger signage are made of materials suited to environmental conditions – such as aluminium – and designed to withstand weather events.
- Vehicle identification – helps to track the ID of a vehicle asset. Helps to aid communication over the two-way with other vehicle operators. Using products that are water cannon washable, vibration resistant and reflective throughout day and night is key. Perfect for fleet signage.
- Hazard control - These specific safety and warning signs are typically found on mining sites and used to alert of danger and hazards. Prohibition Signs, Mandatory Signs and Warning Signs help in reducing or eliminating accidents and injuries.
- First aid signage is critical for worker safety.



Managing Site Signage from Head Office

Keeping the safety KPIs on track is a key focus for management. Getting the right signage solution will directly benefit this. Never underestimate the worth of a simple safety sign.

Here are some of the key considerations when thinking about site signage managed from Head Office:-

1. Safety & Health; signage that is integral to mine site safety:

- as a legal requirement when it comes to promoting safety and directions;
- as a platform to show Safety Targets, LTIDs;
- show workers how to use equipment / training videos;
- displays health and safety messages eg. 'mates in construction';
- runs videos of safe operating procedures and reminders;
- real time statistics will improve the focus on Health & Safety record;
- reminds workers of accident free statistics;



2. Compliance; static and digital signage ensures compliance as:

- it has OSH approved templates uploaded for consistent messaging across all mine sites;
- it is easy to update as rules and regulations change;
- it can be managed centrally to ensure consistent communication within all company departments;
- it provides a full audit trail of all communications.

3. Communication; digital signage technology platform assists with leveraging:

- real time information that is scaleable across multiple assets;
- messaging displayed in a dynamic and visually engaging way;
- morale - workers realise you're serious about their safety and

wellbeing;

- key KPI's and safety analytics eg metal recovery, waste, recycling;
- CEO or management video messaging;
- a critical focus on high risk issues
- exhibitions and events – hire kiosk and table options available.

Our signage range helps ensure visibility, safety and security for workers and visitors. The Signs & Lines team manufactures safety signs in-house from a range of materials, all designed to withstand harsh environmental conditions and provide high visibility.



EQUIPPED TO DO MORE.

Exploring Mining's Digital Future

In a post Covid-19 world the time is now to introduce innovative technology-based platforms at mine sites. Benefits include enhanced safety, improved productivity and reduced costs.

Digital signage is ideal for rapidly changing work environments where safety considerations are being updated almost daily, or even by the hour.

Improving connectivity with workers through autonomous solutions has benefits for worker health, safety and wellbeing. As our compliance landscape changes, safety regulatory authorities will demand ever more regular and critical information to be communicated in real time.

In high risk environments such as mine sites the practicality of how these messages are communicated to the wider mine site population is at the forefront of Operations Management teams at all stages of the mine lifecycle.

The Final Wrap

There's no doubt that introducing digital signage to your traditional static signage opens up many new avenues for communication with mine site personnel. Ongoing conversations with your workers becomes dynamic. The great news for those working in the mine site is that the information displays are dynamic – offering 'real time' data.

The Signs & Lines/Yap!digital team are here to do the hard work. We will apply the thinking around your signage requirements and offer a one-stop, advisory service. We'll provide unbiased recommendations as we are not affiliated to any brands. The result – a solution designed around the best signs and technology that fits your mine site requirements the best. In conjunction with recommendations from the Department of

Mines, Industry Regulation and Safety in your state, we will advise on the most appropriate signage for your site.

We want your workers and visitors have an outstanding experience next time they visit your mine site.

We're ready to start talking! Speak up now about your next project or idea.
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If you need inspiration, design assistance or help managing your next signage project, the team at Signs & Lines and Yap!digital can take your project from drab to fab! Our design, manufacture and installation service will make sure you get the most of your signage, plus the benefit of our team of signage professionals to guide you every step of the way.

Talk to the team today.

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