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CONNECT

AUSTRALASIAN MINE SAFETY

PRINT, E-NEWS, WEBSITE, CONTENT MARKETING & SOCIAL MEDIA

Brought to you by **MINE SAFETY EXPERTS** *for Industry Decision Leaders*

FAST FACTS

- Est 2006
- Circulation 8,200
- Mailed individually to subscribers.
- Distribution Partnerships with key Mining Associations.
- 2 Time Award winner - 2014 & 2015.
- Distribution - 1,300 mines, mineral processing facilities & medium to large industry contractors.

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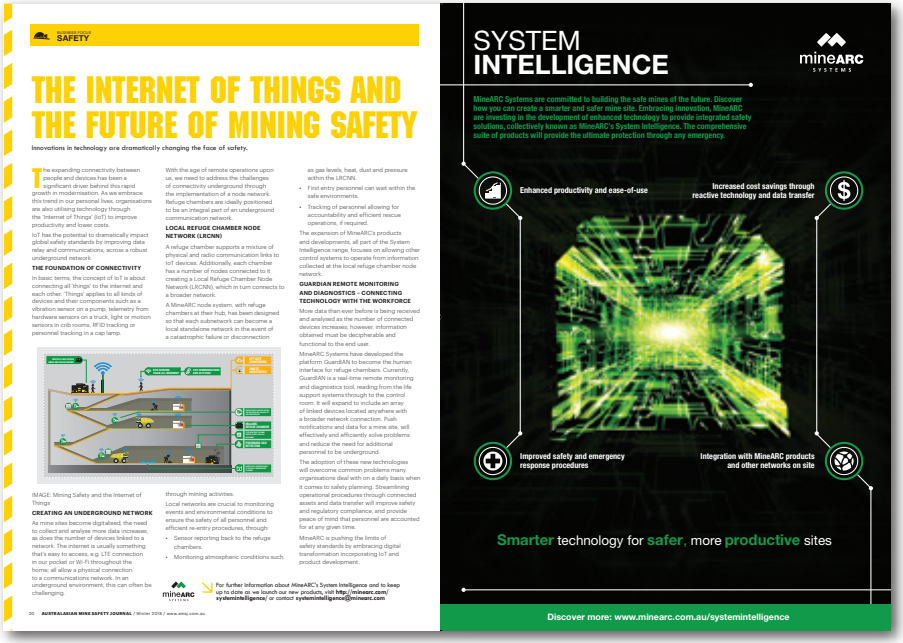
PRINT & E-MAG



SAFETY

THE INTERNET OF THINGS AND THE FUTURE OF MINING SAFETY

Innovations in technology are dramatically changing the face of safety.

The expanding connectivity between people and devices has been a significant driver behind this rapid growth in modernisation. As we embrace this trend in our personal lives, organisations are also utilising technology through the 'Internet of Things' (IoT) to improve productivity and lower costs.

IoT has the potential to dramatically impact global safety standards by improving data relay and communications, across a robust underground network.

THE FOUNDATION OF CONNECTIVITY

In basic terms, the concept of IoT is about connecting all 'things' to the internet and each other. 'Things' applies to all kinds of devices and their components such as a vibration sensor on a pump, telemetry from hardware sensors on a truck, light or motion sensors in crib rooms, RFID tracking or personnel tracking in a cap lamp.

With the age of remote operations upon us, we need to address the challenges of connectivity underground through the implementation of a node network. Refuge chambers are ideally positioned to be an integral part of an underground communication network.

LOCAL REFUGE CHAMBER NODE NETWORK (LRCNN)

A refuge chamber supports a mixture of physical and radio communication links to IoT devices. Additionally, each chamber has a number of nodes connected to it creating a Local Refuge Chamber Node Network (LRCNN), which in turn connects to a broader network.

A MineARC node system, with refuge chambers at their hub, has been designed so that each subnetwork can become a local standalone network in the event of a catastrophic failure or disconnection as gas levels, heat, dust and pressure within the LRCNN.

- First entry personnel can wait within the safe environments.
- Tracking of personnel allowing for accountability and efficient rescue operations, if required.

The expansion of MineARC's products and developments, all part of the System Intelligence range, focuses on allowing other control systems to operate from information collected at the local refuge chamber node network.

GUARDIAN REMOTE MONITORING AND DIAGNOSTICS – CONNECTING TECHNOLOGY WITH THE WORKFORCE

More data than ever before is being received and analysed as the number of connected devices increases; however, information obtained must be decipherable and functional to the end user.

MineARC Systems have developed the platform GuardIAN to become the human interface for refuge chambers. Currently, GuardIAN is a real-time remote monitoring and diagnostics tool, reading from the life support systems through to the control room. It will expand to include an array of linked devices located anywhere with a broader network connection. Push notifications and data for a mine site, will effectively and efficiently solve problems and reduce the need for additional personnel to be underground.

The adoption of these new technologies will overcome common problems many organisations deal with on a daily basis when it comes to safety planning. Streamlining operational procedures through connected assets and data transfer will improve safety and regulatory compliance, and provide peace of mind that personnel are accounted for at any given time.

MineARC is pushing the limits of safety standards by embracing digital transformation incorporating IoT and product development.

IMAGE: Mining Safety and the Internet of Things

CREATING AN UNDERGROUND NETWORK

As mine sites become digitalised, the need to collect and share more data increases, as does the number of devices linked to a network. The internet is usually something that's easy to access, e.g. LTE connection in our pocket or Wi-Fi throughout the home, all allow a physical connection to a communications network. In an underground environment, this can often be challenging.

Local networks are crucial to monitoring events and environmental conditions to ensure the safety of all personnel and efficient re-entry procedures, through:

- Sensor reporting back to the refuge chambers.
- Monitoring atmospheric conditions such through mining activities.

For further information about MineARC's System Intelligence and to keep up to date as we launch our new products, visit http://minearc.com/systemintelligence/ or contact systemintelligence@minearc.com

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SYSTEM INTELLIGENCE

mineARC SYSTEMS

MineARC Systems are committed to building the safe mines of the future. Discover how you can create a smarter and safer mine site. Embracing innovation, MineARC are investing in the development of enhanced technology to provide integrated safety solutions, collectively known as MineARC's System Intelligence. The comprehensive suite of products will provide the ultimate protection through any emergency.

Enhanced productivity and ease-of-use

Increased cost savings through reactive technology and data transfer

Improved safety and emergency response procedures

Integration with MineARC products and other networks on site

Smarter technology for safer, more productive sites

Discover more: www.minearc.com.au/systemintelligence

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Australasian Mine Safety Journal (AMSJ) subscribers include not only senior decision makers on procurement but the many middle management end users of your product or services who are regarded internally as very important Influencers during the procurement process.

The AMSJ print & e mag edition engages with industry decision leaders throughout 1,300 Mines, minerals processing facilities and medium to large industry contractors.

Established by Mining industry safety experts who understand the ins and outs of Safety & the importance of safety during each process of the procurement procedures.

For 12 straight years AMSJ has been declared the most trusted voice for Safety in the Mining Industry.

Featured in each Edition all aspects of:

- Safety Technology
- Safety Equipment
- PPE
- Workforce Management & Training
- Environment

JUST RELEASED – AMSJ announces 'What's New', print and website centre for New Products & Services news content.

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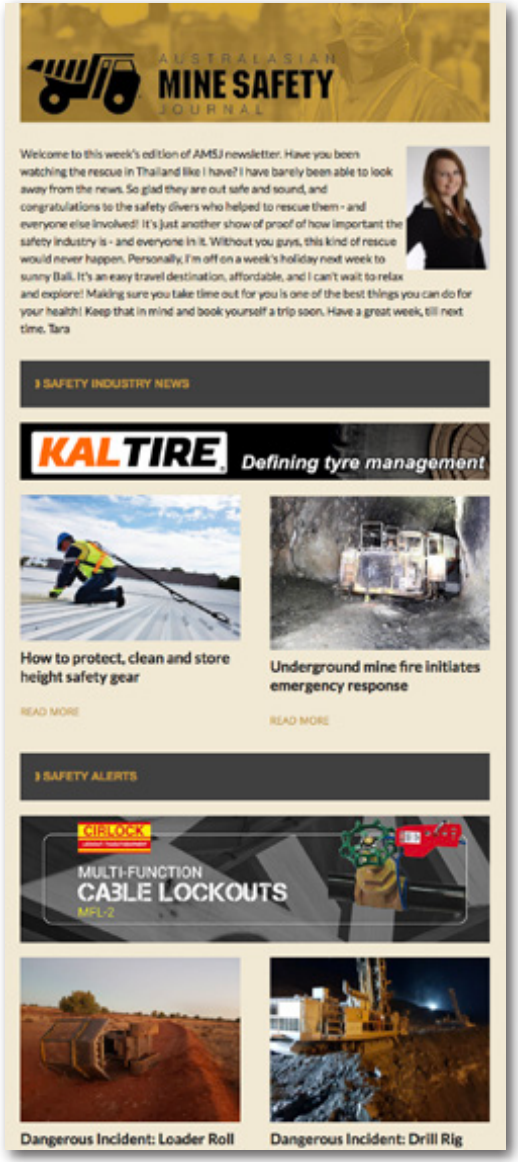
WEEKLY E NEWS



Released weekly, AMSJ e-News is all over the latest news and developments. Covering the week in review, the week ahead and 'Whats New' our weekly coverage of New Product & Services.

DISTRIBUTION 15,000 +

Top Banner	$1,500 +GST
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mineARC
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SYSTEM
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Smarter technology
for safer, more
productive sites

MineARC System Intelligence: Smarter Technologies for Safer, More Productive Mine Sites

Technology is being rapidly adopted within the mining industry to improve productivity and reduce costs, but where does safety play in this development?

Safety needs to embrace technology to keep up with the continual changes to production and manufacturing processes in the modern age.

As the resource industry progresses and organisations are transitioning towards digitalisation, an integral part of the changeover is to not only develop current operations but to ensure the ongoing health and safety of site personnel.

When implementing a strategy to optimise safety operations within a mine, an organisation needs to consider five essential aspects:

- personnel safety,
- daily operational ,
- cost efficiency,
- ease of application,
- integration into the current set-up.

In response to client requirements MineARC Systems, a global leader in refuge chambers, have been investing in the development of new technologies to create smarter safety solutions. Collectively known as MineARC's System Intelligence, the latest developments will integrate with existing operating systems; with the ultimate goal of providing customers with a suite of comprehensive and integrated industry solutions that embrace these five main principles.

Mine sites around the world are already leading the way in proactive safety management and emergency response planning; benefiting from the daily safety and maintenance advantages that MineARC's System Intelligence provides.

Discover the future of safety

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CONTENT MARKETING

WHAT'S NEW

Scania New Truck Generation Safety rollover curtain

Scania New Truck Generation crash testing

SCANIA LAUNCHES AUSTRALIA'S SAFEST NEW TRUCK RANGE

SIDE CURTAIN AIRBAGS DESIGNED TO PROTECT DRIVERS IN ROLLOVERS
HEADLINE A NEW GENERATION OF EXTRA TOUGH TRUCKS.

Scania has launched Australia's safest truck range with the debut of its New Truck Generation family comprising P-, G-, R- and S-series cabs, all of which are available in either Euro 5 and Euro 6 emissions compliance.

All trucks now come with an industry-leading side curtain rollover airbag, mounted above the driver and passenger doors, to provide a significant improvement in safety in the event of a rollover.

Scania is a global vehicle supplier to the mining and resources industries across the world, scanning gold, coal, iron, bauxite and copper extraction and transport activities. In Australia, Scania's mining trucks are used widely as well, including on salt mines, where Scania's chassis protection systems employed at the factory successfully resist corrosion providing a far longer working life.

Off-highway trucks are fully included in the new range, and are now designated XT, and these are ideal for operators in the mining and resources industries.

The new Scania XT offers an increase in ride height, a stout steel front bumper and protection grilles for lights.

The new Clutch-on-Demand feature is available to speed-order. It returns a pedal to the footwell to give drivers greater traction control in sticky situations, if they feel they need it.

Scania XT trucks are ideal for service vehicles, such as water carts, lubricant and on-site maintenance vehicles, ANFO delivery, stemming trucks as well as dumpers and flatbeds for general transport duties.

The range of cab types is matched by a full array of powertrain, drivetrain and chassis combinations, from 4x2 rigid trucks to 6x2, 8x2, 6x4 and 6x4 prime mover combinations, with all-wheel drive to follow.

Scania trucks are entirely Scania from bumper-to-bumper, which means all components are designed to work in a harmonious and fully integrated way and are all fatigue tested together to provide extreme durability and resilience especially in tough working conditions.

Engine options begin with a 9.0-litre 5-cylinder engine and continue with a 13.0-litre 6-cylinder range, topped by Scania's legendary V8 16.0-litre family. This boasts Australia's most powerful on-road truck engine with 730 hp and 3500 Nm of torque. The newly revised engines are even more frugal than before.

Beside an overall reduction in fuel consumption of 3% across the range, and as much as up to 10% with V8 engine variants, the new Scania trucks are also safer than any others on or off the road.

In addition to the new standard side curtain rollover airbags, Scania has also designed an even more robust, impact resisting all-steel cab with improved driver visibility, to further boost safety. As a result, all drivers are better off in a Scania cab than ever before.

Key improvements from the driver's perspective include increased active and passive safety, bigger, stronger, all-new floor-to-ceiling cabs with increased comfort as well as a new suspension, which gives a smoother ride reducing fatigue.

The side curtain airbags join the standard driver airbag and seatbelt pre-tensioners, an uprated braking system, and a new front suspension with the front axle moved 50 mm forward to provide a lower centre of gravity and less dive under braking.

All Scania's New Truck Generation models benefit from re-profiled A-pillars, redesigned and improved mirrors, and a repositioned driver's seat to improve the driver's visibility, providing more potentially life-saving benefits.

Scania's famous modular drivetrain components have been thoroughly reviewed to deliver significant fuel economy savings compared with already efficient vehicles they replace. Scania's in-house gearbox range is now fitted with a top-shift lever to speed up gear-changes for smoother and more frugal performance.

One further endorsement of the overall safety engineered into every Scania truck from the ground up is that every major metropolitan fire authority across Australia employs Scania trucks within mobile fire-fighting fleet. Scania trucks are also utilised by fire-fighting authorities across Asia and South America as well as Europe.

SCANIA For more information contact us www.scania.com or +61 (3) 9217 3300

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Our biggest thrill is the end result of receiving very technical content that only a small few will understand, recreating it into something very powerful, easy to digest & an enjoyable reading experience.

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The AMSJ team of journalists all have that incredible gift to deliver a compelling story. Great content published in print & online is a valuable 'asset' for many years to come.

Our highly experienced content team are managed in-house which allows us to focus on each project from concept all the way through to final execution.

PRODUCT TYPES

- Whitepaper
- Sponsored Article
- Infographic

PRINT & DIGITAL

ISSUE	BOOKING DEADLINE	MATERIAL DEADLINE	DISTRIBUTED
October 2018	21st Sept	28th Sept	Mid Oct
January 2019	21st Dec 18	28th Dec 18	Mid Jan 19
April 2019	21st Mar 19	28th Mar 19	Mid Apr 19
July 2019	21st Jun 19	28th Jun 19	Mid Jul 19
October 2019	21st Sept 19	28th Sept 19	Mid Oct 19

**GST no included*

MAGAZINE	CASUAL	2 ISSUE	4 ISSUE
Double Page Spread (DPS)	$5,920	$5,620	$5,030
Full Page	$3,920	$3,725	$3,325
Half page	$2,495	$2,370	$2,120
Quarter page	$1,425	$1,355	$1,210

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