

AUSTRALIAN INSTITUTE OF
MINE SURVEYORS



MORANBAH INTERACTIVE DAY

MORANBAH COMMUNITY CENTRE
MAY 15 2019

2019 Moranbah Interactive Session Information

All delegates will be placed into small groups and rotate through each of the Sponsors below:

CPD Points - 3 Mine Surveying & 3.5 Survey Practice

CR Kennedy

C.R. Kennedy & Company is the largest national importer and distributor of surveying equipment in Australia, and the exclusive distributor for Leica

Geosystems (part of HEXAGON). Our stand will be showcasing the DJI Matrice 200 series drone (M200) with Loki PPK system, the Wingtra fixed wing and the HoverMap solution, all built to measure and map the mining assets and extents.

3D Laser Scanning System software and deliverables, to convert your data into useable spatial information for planning and quantification.

The LEICA GS18T “the world’s fastest GNSS RTK rover”, rapid mine surveys in adverse environments.

Visit, experience and learn !

Position Partners

Site 1 – Wireless Condition Monitoring: Case Studies from London Underground & APAC Region

Wireless sensor networks have established themselves as a cost effective, precise and reliable tool for the condition monitoring of rail, geo-technical and structural assets. As the pre-eminent and proven solution manufacturer, Senceive have been able to provide remote, automated monitoring of assets using high precision, small, low cost, battery powered wireless mesh sensor systems.

Site 2 – Drones in Mining – NextCore LiDAR , DJI P4 RTK & Quantum Trinity f9 VTOL

Position Partners in conjunction with Aightsight, will be demonstrating the brand new NextCore RN Series LiDAR system on a DJI M600.

This demonstration will showcase the end to end production of *. LAS files from a highwall mapping job.

We’ll also have a quick talk about:

New DJI P4 RTK drone. Traps in using this drone on a mine site and also the wins with this product on a mine site and the Quantum Systems Trinity F9 VTOL system with PPK takes off/lands like a DJI, snaps together like an eBee, Flies like a MAVinci But it can cover 400ha in a single flight at a flying height of 120m using survey spec overlaps

AAM

AAM will be hosting a Q and A session on "Where remote sensing technology is now and what's on the horizon". We provide a brief summary of what is being employed by industries both inside and outside of the mining sector. Our workshop session will provide attendees with enhanced knowledge of remote sensing and discuss ideas of how your mine site can prepare for potentially disruptive technology.

Sphere Drones

Sphere Drones published an internal whitepaper halfway through 2018. Within this paper, we outlined and discussed a number of fundamental concepts of photogrammetry. The intention of the paper was to explain and discriminate the difference between the different tiers of mapping drones, and what distinguishes the large difference in price. Ultimately, we compare the efficiency increases that are able to be obtained at 3 key stages of the mapping process - pre-flight, during flight and post-flight. We will be displaying these three systems and providing the audience with the opportunity to request demonstrations for their sites, proving these efficiencies in real-world scenarios and use-cases they would regularly encounter on site.

Maptek

Meet with Jason Richards and Jordan Herrmann from Maptek. Learn all the latest hardware and software solutions for the mining surveyor and Maptek's future roadmap. Discuss updates, feedback and enhancement requests for the latest version of Maptek Point Studio.

UPG

UPG will be showcasing Trimble Stratus and a powerful software suite that Mine Surveyors can utilise for drone surveys to map, measure and share accurate information about the mine site and infrastructure assets.

Carlson

Carlson will be highlighting our latest borehole deployable scanning system, Gyro C-ALS, for underground cavity monitoring.

This will be shown alongside Carlson Scan for data acquisition, with the suite of Carlson software for processing and deliverables.

