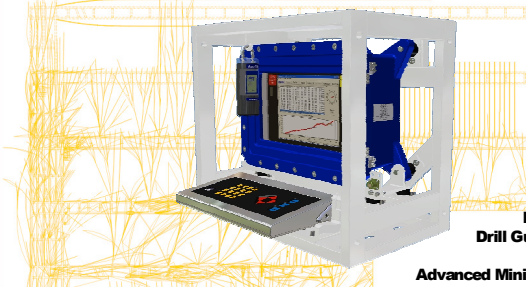


Advanced Mining Technologies

In-hole Surveying – Where we are and where we are going



Mark MacCabe

Product Manager
Drill Guidance Systems

Advanced Mining Technologies



Part of the Industree Group
Website: advminingtech.com.au



AMT Company

- 100% Australian company
- Established in 1993
- Part of the Industree Group (ASX Listed – IDL) since 2005
- Located on the Central Coast, NSW, 100km North of Sydney, Australia
- Industry leader and specialist manufacturer of mining safety and operational efficiency systems
- Engineering based
- In-house research & development, manufacture and service facilities
- ISO 9001 Quality Assurance
- 17 years Mining industry experience



Part of the Industree Group
Website: advminingtech.com.au



AMT Products & Services



ADVANCED MINING TECHNOLOGIES

Design, manufacture, sales and support of systems and technology for mine safety and operational efficiency:

- DGST™ Drilling Guidance System for drainage and exploration of gassy underground coal seams (ExD, Intrinsically Safe)
- CAS-CAM/RF™ Collision Avoidance System
- Integrated driver safety management and GPS-based tracking equipment for open cut mines



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Industree Products & Services



INDUSTREE MINING EQUIPMENT

- Design, manufacture, sales, and service of flameproof heavy equipment for underground coal mining
- Service, repair and spare parts



PJ BERRIMAN

- Design, manufacture, sales & service of specialised coal mining vehicles
- Flame / fire & explosion proof electrical equipment and accessories
- Service, repair and spare parts



KADE ENGINEERING

- Engineering & Fabrication



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Industree Products & Services



HUDDYS MINING SERVICES

- Contract open cut mining services
 - Mine planning and design
 - Mine management
 - Provision of equipment and operators
 - Earthmoving equipment hire
 - Drill and blast planning and operation
- Civil earthworks contracts



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Industree

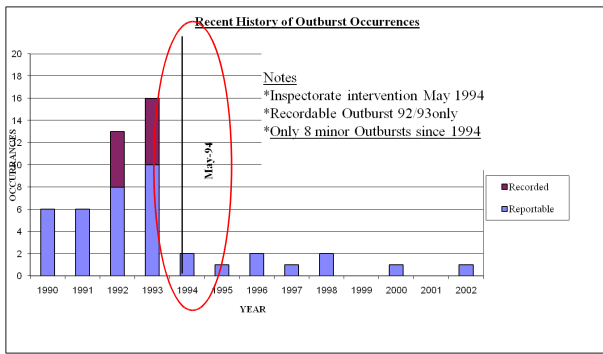
World-wide Operations Support



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Dramatic results



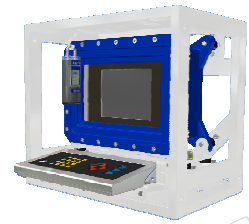
(Dr. Chris Harvey – Gujarat NRE Coking Coal Ltd)

Uphole Monitor versus Uphole Computer



DDM MECCA
(1995 -> 2004)

- China – 2
- Australia – 37
- USA – 19
- Japan – 4
- South Africa – 2
- NZ – 1



DGS
(2005 -> Future)

- China – 52
- Australia – 32
- Japan – 3
- Russia – 2
- South Africa – 1

System Diagram



Product Update

What is the current status of the survey tools –

- Their use?
- Accuracy?
- Any issues?

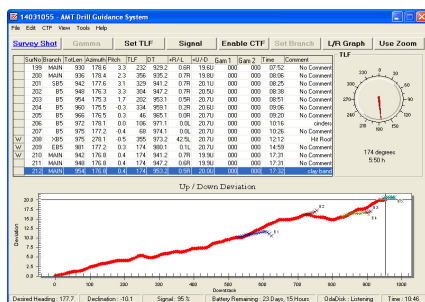
Where are they being used –

- How?
- Why?

What can be done for the future –

- How plausible?

Screen Display



Product Update

Is AMT capable and/planning incorporation of downhole logging –

- Gamma?
- Temperature?
- Rig parameters such as thrust, drilling rate or bit advance rate?

What would the industry like developed to add more value to drilled directional holes?

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AMT Presentation

Thank You