

Mimosa Coal Mine Partners with Immersive Technologies for Operator Safety and Productivity

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New mining practices are underway at an underground coal operation in Mexico after changes in geological conditions led to increased coal seam outbursts, putting miner's lives in danger. To keep operators away from the risk of outbursts the site now operates using a tele-remote system. The site anticipated decreased production levels with the new system but has worked with operator training company, Immersive Technologies, to develop simulation based training so miners can operate the equipment safely without production losses.

The road header is fitted with a tele-remote control keeping all miners away from the cutting face. Additionally shuttle car operators are required to exit shuttle cars 80 meters away from the face and operate remotely.

"Safety is our highest priority so going to a remote system was essential to protect our personnel. As part of this integration we wanted operators to be skilled and keep damage to the machines at a minimum. We partnered with Immersive Technologies to deliver the safest and most productive solution," says Armando Diaz Cardenas, General Mine Manger – Mine IIV, Mimosa.

Training will be delivered using a simulator specifically designed for underground operations. With its 360 degree high definition screen and RealMove™ technology, operators can freely walk around the mine and equipment, allowing for realistic training for Red Zone avoidance, proximity sensor training, prestart and walk around.

"The requirements for operator training in an underground environment pushed us to rethink our approach to operator training; the operators are no longer sitting in a cab surrounded by controls, they have to have the freedom to move around their environment and operate from multiple positions. For Mimosa we had to take it one step further and provide a simulated tele remote station to effectively train operators before the new system went into operation," said Richard Beesley, Underground Coal Business Unit Manager from Immersive Technologies.

Mimosa is located in Coahuila, Mexico and extracts about 4 million metric tons of coal annually.



Changes in geological conditions causing increased facial outbursts led the Mimosa mine site to use a tele-remote operated system. The site anticipated decreased production levels with the new system but has worked with operator training company, Immersive Technologies, to develop simulation based training so miners can operate the equipment safely without production losses.

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IMMERSIVE TECHNOLOGIES

Media Release



Phone: +61 8 9347 9011

Fax: +61 8 9347 9090

Simulation Delivering Safety and Productivity

Email: enquiries@ImmersiveTechnologies.com

Web: www.ImmersiveTechnologies.com

About Immersive Technologies

Immersive Technologies is the world's largest, proven and tested supplier of surface and underground Advanced Equipment Simulators to the global mining industry. The company has achieved this unique position by focusing on its mission to make every mining and earthmoving equipment operator in the world safer and their employer more profitable through its simulation technologies. Immersive Technologies' Advanced Equipment Simulators are helping hundreds of mining companies around the world to increase their equipment operators' safety and site profitability through effective simulation training.

Immersive Technologies provides its customers with the most effective Advanced Equipment Simulators available. This is made possible through the formal exclusive licensing and technical information alliances Immersive has established with the leading Original Equipment Manufacturers (OEM), including: Caterpillar, Hitachi, Komatsu and Liebherr. These unique alliances provide Immersive Technologies with exclusive access to the OEM's proprietary and confidential machine technical information that is required to correctly simulate the OEM's machines and is not available through other public or dealer channels.

With advanced simulators modules deployed in 39 countries, Immersive Technologies is dedicated to provide outstanding service. To deliver on this commitment the company has customer sales and support offices located close to its customers in Perth and Brisbane Australia, Salt Lake City USA, Calgary, Ottawa & Vancouver Canada, Monterrey Mexico, Lima Peru, Santiago Chile, Bochum Germany, Johannesburg South Africa, Jakarta Indonesia, Kolkata India and Riyadh, Saudi Arabia.

Immersive has the global mining experience, innovative technology, product range, OEM relationships, proven support commitment and industry vision to partner with you to ensure your simulator training solution delivers the significant results you expect.

For more information and associated media please contact:

Ashley Mullaney

Public Relations Manager

Immersive Technologies

amullaney@ImmersiveTechnologies.com | Tel: +61 (8) 9347 9011

www.ImmersiveTechnologies.com