

## Immersive Technologies Extends its Support for Underground Mining Safety & Operational Improvement

30 April, 2012

Immersive Technologies continues to further strengthen its offering for underground mining with the development of simulators (Conversion Kit®) for the Sandvik DD420 Jumbo Drill and Atlas Copco MT6020 articulated underground truck. The Jumbo Drill particularly represents a leap forward in innovation, design and application due to highly realistic drilling physics coupled with an ingenious 'drilling assistant' feature to maximize operator training effectiveness.

The Sandvik DD420 Jumbo Drill is described as the world's most popular underground development drill and the Immersive simulator provides an authentic and comprehensive recreation of the DD420, with cabin comprising of tramming controls, drill and boom controls, jack controls, dials, gauges and a variety of the ancillary functions. The controls are all based on the fully-hydraulic version of the machine, with the software supporting both closed-cab and open-cab arrangements.



*Sandvik DD420 Jumbo Drill simulation*

Innovation doesn't stop there with a new type of "Special View" in which the operator can use an integrated dash-control to "walk" around the outside of the cab and navigate within the 3D virtual world to inspect aspects of the development heading. This is a key feature for Jumbo operators where regular external inspections can form part of their daily routine in ensuring correct drill hole alignment.

Particular care and attention to detail has been put into the visuals for the drill, setting new standards in 3D graphical machine models for mining simulations. The simulator utilizes the full 360 degree display of the Immersive Technologies UG360 simulator platform in order to provide a highly-realistic underground setting within which to conduct training. Other aspects of machine operation such as tramming and jack operation are covered by a comprehensive set of scenarios, resulting in a complete training experience for all Jumbo Drill operators.

The Atlas Copco MT6020 is also a popular model of large, articulated, underground trucks. The first of the new underground mine truck simulator will go into service with an underground mining contractor in August 2012 where it will start the process of training operators for enhanced safety and productivity. The new simulator creates an ideal, safe environment to provide initial training for new operators to rapidly build knowledge of both the machine and the mining methods and protocols used underground. Companies also understand that investing in ongoing experienced operator training and skills development helps achieve their strategic objectives and improve metrics relating to operator productivity and machine downtime while driving improvement to the bottom line. The simulator accurately simulates the MT6020 within the UG360 transportable underground simulator.

Immersive Technologies' Learning and Development Specialist, Bryant Mullaney said, "We are very excited to bring these products to our customers. Particularly as new product innovations are driven from our ongoing partnering with the mining industry, and our work in delivering measurable outcomes. Our Training Systems Integration projects and Continuous Improvement Projects for

# IMMERSIVE TECHNOLOGIES

## Media Release



Advanced Equipment Simulators

Phone: +61 8 9347 9000

Fax: +61 8 9347 9090

Email: [enquiries@ImmersiveTechnologies.com](mailto:enquiries@ImmersiveTechnologies.com)

Web: [www.ImmersiveTechnologies.com](http://www.ImmersiveTechnologies.com)

example continue to be a rich resource to drive ongoing product development, and these products have been no different as our customers are looking for more than technology with their operator development solution.”

Both new developments highlight Immersive Technologies’ ongoing approach to investing in mining simulation with a focus on driving customer safety and profitability with their industry leading technology together with extensive mining experience.

###

### About Immersive Technologies

Immersive Technologies is the world’s largest and most proven supplier of surface and underground mining 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 mining 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, Liebherr and P&H Mining Equipment. 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.

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 and Ottawa Canada, Santiago Chile, Johannesburg South Africa, Jakarta Indonesia and Kolkata India.

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 high resolution supporting media please contact:

Paul Davis,  
Global Communications Manager, Immersive Technologies  
[pdavis@ImmersiveTechnologies.com](mailto:pdavis@ImmersiveTechnologies.com) | Tel: +61 (8) 9347 9000  
[www.ImmersiveTechnologies.com](http://www.ImmersiveTechnologies.com)