

Simulators from Immersive Technologies Preparing Operators to Remotely Operate Semi-Autonomous Underground LHDs

18 September 2018

Freeport McMoRan (FMI) in Indonesia is using training simulators from Immersive Technologies to prepare operators for Caterpillar's semi-autonomous LHD operations with [Cat® Command for Underground](#). Command for Underground automates the tramming and dumping component of an underground loader's load-haul-dump cycle. The operator has the ability to control the machine from an office or remote location away from the hazards of the underground mine. One or more machines can be controlled at once, enhancing operator safety and optimizing production between multiple machines.

In the past Command for Underground operators were required to have experience operating the LHD R1600G but with the training features of the Immersive Technologies simulator they are now able to train non-operators.

The trainees are given 10 hours of classroom training followed by 20 hours in the LHD R1600G [IM360 simulator](#). Upon completion they then complete further 20 hours of training within the Immersive Technologies' Command for Underground simulator where they advance to practical training and evaluation.

"The realism and functionality of our simulators at FMI had to be very authentic as many of the trainees had never been in an LHD. Trainees needed to build up basic operating skills before they could even begin Command for Underground Training. The blended learning from our IM360 and Command for Underground simulators delivered a seamless training experience," says **Ravitha Sukumaran**, *Product Manager* at Immersive Technologies.



Simulator for Cat® Command for Underground



Simulator for Cat® R1700G, R2900G Underground Loaders

####

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 increase Customer profitability by

IMMERSIVE TECHNOLOGIES

Media Release



E X P E C T R E S U L T S

Phone: +61 8 9347 9011

Fax: +61 8 9347 9090

Email: enquiries@ImmersiveTechnologies.com

Web: www.ImmersiveTechnologies.com

optimizing the safety and productivity of their operators. 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 licensing and technical information alliances Immersive has established with the leading Original Equipment Manufacturers (OEM), including: Caterpillar Global Mining, Hitachi, Komatsu and Liebherr. These unique alliances provide Immersive Technologies with 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 simulator modules deployed in 44 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, Fort McMurray, Ottawa & Vancouver Canada, Monterrey Mexico, Lima Peru, Santiago Chile, Belo Horizonte Brazil, Bochum Germany, Johannesburg South Africa, Jakarta Indonesia, Kolkata India and Moscow Russia.

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:

Andres Arevalo

Global Marketing Promotions Manager

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

www.ImmersiveTechnologies.com