

Leading the Way in Autonomous Mine Training: Immersive Technologies' Simulator Training Debuts in the U.S.

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As the first major mine in the U.S transitions to an [autonomous haulage system](#), it is crucial that operators and other personnel become proficient in interacting with the autonomous haulage environment. To develop and train the workforce, the mine invested in simulators and digital learning systems from Immersive Technologies as part of their change management strategy. Nearly all of the world's major autonomous mines have implemented Immersive Technologies' proven AHS training solution, with this U.S. mine becoming the 32nd globally to benefit from the blended learning solution. Tailored to meet the individual needs of the mine, the package includes onsite services to help manage the training technology implementation.

The training solution enhances proficiency for a range of equipment, in this case Caterpillar Autonomous trucks, P&H 4100 shovels, Caterpillar D11T dozers, and light vehicles equipped with [Cat® MineStar™ Command](#) for Hauling systems.

The complexity of roles for loading and auxiliary equipment operators has increased with the introduction of autonomous haulage systems. Effective change management is vital for aligning personnel with AHS implementation, and training plays a big role in getting all people working together smoothly with new systems. Immersive Technologies' simulators consistently measure, assess, and optimize skills, reducing the time to achieve "permit to work". As mines adopt AHS systems, efficiently processing large number of "permit to work" certifications has been a notable industry challenge.

Investing in Immersive Technologies' training solutions targets knowledge proficiency, safety, and productivity. Transitioning from manned to autonomous haulage trucks requires new skills for existing roles and new roles to manage the autonomous area and fleet.

With simulation-based autonomous training solutions deployed at 32 autonomous haulage sites worldwide, Immersive Technologies have the expertise to address key training needs. Immersive Technologies will support the mine at every step of the implementation, using blended learning systems, simulation, and human performance analytics to mitigate implementation risks.



Training Solution for the Cat® Command for Hauling System, Training Solution for the Komatsu FrontRunner® Autonomous Haulage System

IMMERSIVE TECHNOLOGIES

Media Release



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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 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.

With advanced simulator modules deployed in 51 countries, Immersive Technologies is dedicated to providing 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 and Tucson USA, Fort McMurray, Vancouver Canada, Zacatecas Mexico, Lima Peru, Santiago Chile, Belo Horizonte Brazil, Johannesburg South Africa, Jakarta Indonesia, Kolkata India and Moscow Russia.

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

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