

VALE S11D Uses Immersive Technologies Simulation Equipment to Train Truckless System Operators

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The S11D project in Canaã dos Carajás - Pará - Brazil is in the world spotlight as their truckless mining production is slated to begin in 2016. S11D will be one of the biggest mines in the world and this new production method requires an advanced solution for operator training. Immersive Technologies, the global leader in mining equipment simulators, will provide high-tech simulators for mining equipment and customized virtual training environments for VALE loading machine operators, enabling the incorporation of new procedures to ensure a safe and productive operation.

“This simulation tool is extremely powerful, because besides empowering people in the equipment operation with high performance and low cost, it also provides training in situations of high risk of accident which would be inadvisable in a real operation,” said José Carlos Ramos – Mining Operations Specialist, VALE Ferrous.

The Truckless System represents a significant change in the role and expertise of the loading equipment operators. This required a custom Immersive Technologies training solution. In conventional mining operations, the trucks are positioned carefully to suit the loading equipment, but when operating with mobile crushers it requires auxiliary equipment to move the crushers, which remain static during the loading operation. Through advanced training methods using the latest technology simulators, operators will be prepared for the new challenges of productivity and safety.

“Truckless mining is definitely something the industry is paying attention to and just like any new method the training element is a large consideration of the deployment. We’ve worked closely with customers and the leading OEM’s for 20+ years building our capability to be in a position to deliver the best solutions. This is a unique development and we are pleased to partner with VALE to prepare the safest and most productive operators at S11D,” says César Guerra, Regional Vice President – Latin America, Immersive Technologies.

With customized scenarios, simulators used by VALE facilitate the development and implementation of correct procedures for truckless system excavators loading, adequate positioning and effective management, where through the capture and data analysis it will be possible to develop and optimize new operator skills and competence.



Unlike traditional mines, S11D will be a truckless operation that will use Immersive Technologies simulators to train operators in a more productive and safely way in a unique environment.

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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 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 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.

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