

Immersive Technologies Recognizing Excellence in Mining Business Improvement.

1 April 2019

Immersive Technologies is pleased to announce the winners of the Global Business Improvement Award 2018. Marking the tenth year in which Immersive Technologies recognizes the most outstanding [real results](#) achieved by mining companies utilizing simulation as a key driver in the business improvement process.

Finalists are selected for their achievements in continuously improving operational safety, efficiency and productivity through strategic simulator-based training initiatives.





Global Award Winner – Surface Mining Category Peabody Energy – US Coal Mine

As part of their “Run for Reliability” program, Peabody Energy targeted multiple objectives related to safety, haul truck spot times, and equipment abuse events that lead to unscheduled maintenance.

Peabody and Immersive Technologies partnered on a [Managed Service solution](#) which embedded an Immersive Technologies Training Specialist and analytics support within the mine’s continuous improvement team. Results achieved include an 11% spot time improvement and a

reduction of 36% in operator induced machine abuse events which led to cost avoidance savings.

“Improving safety and managing costs are important components of the Peabody business model, and the continuous improvement process is core to our success. We are pleased that our “Run for Reliability” program was selected as a Global Business Improvement Award winner for 2018,” says Scott Durgin, VP Operations - North Antelope Rochelle Mine.

Global Award Winner – Underground Mining Category Codelco Chuquicamata – Chilean Copper Mine

Codelco utilized simulation to conduct a baseline training needs assessment of their [LHD](#) and [Longhole Production Drill Rig](#) operator workforce. The insights from the initial operator assessments facilitated the deployment of a strategic training program,

targeting specific operator behaviors. Results achieved include a 49% improvement in LHD and a 56% improvement in longhole production drill rig operator behaviors related to safety, production and unscheduled maintenance costs.



Finalists:

Rio Tinto – Australian Iron Ore Mine

The adoption of [autonomous haulage systems](#) redefines the skills required to be an effective dig unit operator. Utilizing simulator technology to upskill operators in the usage of the Komatsu AHS FrontRunner Panel, Rio Tinto looked to reduce the production impact of the system on dig unit productivity. Training was focused on teaching operators to more efficiently manage autonomous trucks whilst applying better digging and loading technique. Results achieved include an increase in tonnes per hour, improvements in truck spot creation time and reductions in exception and wait time truck management.

Caserones – Chilean Copper Mine

Analysing machine health data, Caserones identified an opportunity to reduce costs and improve safety through a reduction in brake abuse events. A streamlined training process including [classroom, simulation](#) and field training was conducted for 178 truck operators. The project resulted in a 40% reduction in brake abuse events and was achieved in just 3 months.

Bengalla Coal – Australian Coal Mine

Bengalla utilized [shovel production](#) data paired with simulation training to identify and improve specific behavior related to excavator dig rates. By training experienced and new operators with a tailored approach the mine achieved a 9.5% dig rate increase which represents 572 tonnes per hour for each trained operator.

Peabody and Codelco – Chuquicamata were chosen from more than 310 mining operations in 44 countries and join the ranks of prominent past winners including Vale, Rio Tinto, Kiewit Mining Group, PT Pamapersada Nusantara (PAMA), Cipta Kridatama, Cliffs Natural Resources, Syncrude, Kinross and many more.

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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.

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

IMMERSIVE TECHNOLOGIES

Media Release



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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.

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