

Simulated Process Operations Training (SPOT) from Immersive Technologies Delivers Safer and More Productive Plants

11 March, 2015

Immersive Technologies has released a new training solution for process plant operator training. Simulated Process Operations Training, SPOT™, maximizes plant uptime and throughput, improves safety and significantly reduces the time taken to train new plant operators. The global process industry loses annual production due to unscheduled downtime and poor quality with a significant amount of these losses being preventable and primarily the result of operator error. Through using SPOT, improvements in the skills and behaviors of plant operators can correspond to large improvements in plant production.

“Process plant operator training is not always practical, particularly when production schedules must be maintained. SPOT mitigates the risks of training on a live site, by providing a safe environment for operators and engineers to interact with a virtual replica of their processing plants. SPOT can be configured to small target problem areas, iteratively added to over time, or be used to replicate multiple facilities across multiple sites,” says Wayne Salfinger, Executive Director - Marketing, Immersive Technologies.

Immersive Technologies has partnered with process control experts, Calibre, to launch this training solution. Calibre’s expertise in mining infrastructure and process control combined with Immersive Technologies’ expertise in simulation based training have been combined to develop this technology designed to deliver operational productivity and performance outcomes.

SPOT simulates sensor inputs directly into a copy of existing process control system software, providing a precise replica of system behaviors and interfaces.

Through a powerful scenario tool, common operational issues such as blocked chutes, or power failures can be configured – assessing for correct operator response, and timeliness. CCTV cameras can also be simulated where required, replicating the sensory inputs from the real operation.

Suitable for beneficiary plants, coal ports, and other PLC / SCADA controlled processing plants, SPOT supports a wide range of applications within the mining industry. This system has been demonstrated via evidence collected from within mining operations to provide rapid, correct and effective learning and assessment.



Immersive Technologies’ recently released SPOT™ which allows personnel to interact with a plant environment without compromising safety to people or infrastructure essentially replicating the operator interfaces and systems used to control your facility.



Powerful scenario management tools permit the configuration of scenarios, focusing on production optimization or contingency training. Exact replicas of existing control systems provided are virtually indistinguishable from the real thing.

See more about SPOT here: <https://www.youtube.com/watch?v=89uTxVZvE3M>

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Media Release



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Simulation Delivering Safety and Productivity

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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, Kolkata India and Riyadh, Saudi Arabia.

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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