

Simulators from Immersive Technologies Increasing Opportunities for the Female Workforce at PT Freeport Indonesia

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Female operators are the focus of a new initiative at PT Freeport Indonesia (part of FMI in Grasberg) where [IM360 simulators](#) from Immersive Technologies are used to train operators to remotely operate Caterpillar's Semi-Autonomous Underground Load Haul Dumps (LHDs) using [Cat® Command for Underground](#).

Historically, only operators with previous in-field experience in operating LHDs were permitted to operate them via Command for Underground. However, after implementing simulators from Immersive Technologies into the new female workforce program, PT Freeport Indonesia has created opportunities for women without prior in-field experience to take on operational roles.

PT Freeport Indonesia has a long-standing commitment to employee diversity and continually seeks ways to recruit and foster career development for women. Investing in training solutions for remote operations has enabled PT Freeport Indonesia to increase opportunities for women in operational roles.

Trainees are given 10 hours of classroom training, followed by 20 hours in the LHD R1600G [IM360 simulator](#). After completion, they conduct a further 20 hours of training within the Immersive Technologies' [Command for Underground simulator](#) where they advance to practical training and evaluation.

Hendra Sukoco, Freeport's Underground Training Superintendent, acknowledges that female operators tend to be more consistent in following detailed instructions and, as a result, the level of machine abuse is lower when compared to male operators.

After successfully passing the training requirements, this first group of women are successfully operating LHDs remotely and producing 300 buckets each per day (if location allows) which is equivalent to experienced operators with previous in-field LHD experience.

"Due to the success, there are plans to increase the number of female operators going through training on the Immersive simulators and eventually into production," says Mr Hendra.



Trainee at PT Freeport Indonesia on an Immersive Technologies IM360 simulator with LHD R1600G Conversion Kit®



Female trainees at PT Freeport Indonesia training on Immersive Technologies Command for Underground simulators

Simulation based training has been proven to dramatically reduce risk, cost and unscheduled maintenance, increasing trainer effectiveness and efficiency while maximizing 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 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 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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