



HITACHI EX2500-6

## Conversion Kit® for Hitachi Shovel/Excavator EX2500-6



### WHAT DOES THIS LOGO MEAN?

After extensive review of the simulation industry, Hitachi entered into a license agreement with Immersive Technologies in 2007 (Renewed in 2013).

Hitachi exclusively provides proprietary machine information to Immersive Technologies to ensure its simulators are engineered to the highest fidelity and realism.

This means you receive the most sophisticated, reliable and accurate earthmoving training tool available to achieve your site objectives.

### Increase operational safety and productivity while reducing your maintenance spend

Immersive Technologies' Conversion Kit development for the Hitachi EX2500-6 Hydraulic Shovel/Excavator provides the ultimate in training realism for mines focused on increasing operator safety, improving productivity and reducing levels of unscheduled maintenance.

The Conversion Kit includes a complete replica cab of the Hitachi EX2500-6 Hydraulic Shovel/Excavator, with fully functional controls and instrumentation sourced directly from Hitachi.

Original Equipment Manufacturer and industry endorsed EX2500-6 operating procedures are tightly integrated with an extensive learning system within the Advanced Equipment Simulators. This system has been repeatedly demonstrated via evidence collected from within mining operations to provide rapid, correct and effective learning and assessment.

With mining equipment becoming increasingly technically sophisticated, the level of information, experience and organizational competencies required to accurately simulate these machines also increases. Through Immersive Technologies' industry experience and exclusive alliance with Hitachi, you can be assured your training solution will be the only accurate and true representation of the real machine available.



Accurate operational characteristics using technology and proprietary data licensed from Hitachi



Conversion Kits® utilize genuine Hitachi cab controls and instrumentation

# Simulation Delivering Safety and Productivity

## E132 Conversion Kit® for Hitachi Shovel/Excavator

Immersive Technologies' E132 Conversion Kit provides the ultimate in training realism for mines focused on increasing operator safety, improving productivity and reducing levels of unscheduled maintenance.

The Conversion Kit includes a complete replica cab of the Hitachi EX2500-6 shovel/excavator, with fully functional controls and instrumentation sourced directly from Hitachi.

These include an operational 'Information Display Unit' (IDU), a powerful tool for machine management that provides operators with information on a wide range of vital machine functions, IDU keypad, dual axis control joysticks and genuine Hitachi pedals.



Genuine Hitachi Information Display Unit (IDU)



IDU keypad and functional indicators



Simulated radio module and special view controls



Dual axis boom/bucket control joysticks and functional switch panel



Manual fire extinguisher



Bucket and track pedals match real machine cab



Conversion Kit: E132

Released: Jan 2011

*NB: Seat & Base not included.*



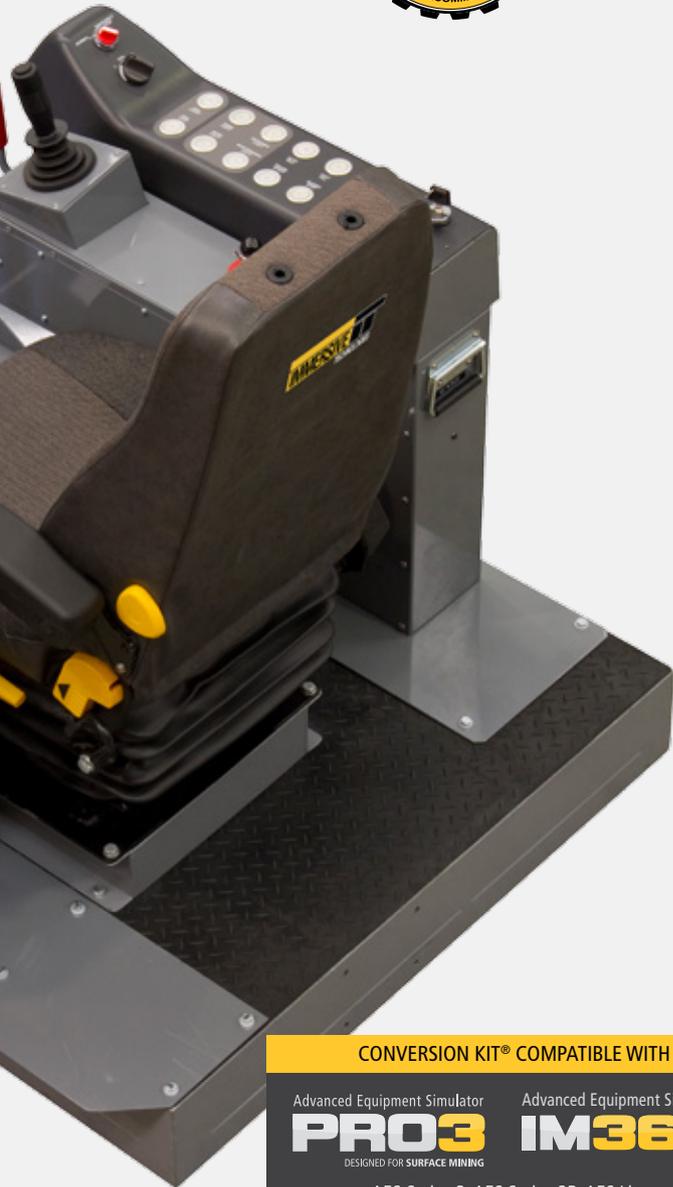
Loading Scenarios



Dumping Scenarios



Spotting Scenarios



CONVERSION KIT® COMPATIBLE WITH

Advanced Equipment Simulator **PRO3** DESIGNED FOR SURFACE MINING

Advanced Equipment Simulator **IM360**

AES Series 2, AES Series 2B, AES Lite

## Innovative Simulator Training Software



**SimControl**  
IMMERSIVE TECHNOLOGIES

Immersive Technologies' SimControl software includes a range of specific Hitachi EX2500-6 operator errors for recording and measuring incorrect operator behaviours. In addition, the SimControl software includes Hitachi EX2500-6 events which allow a trainer to initiate machine faults or incidents in order to train and assess operators in responding appropriately. This combination of errors and events provide a mechanism to ensure operators are working at maximum efficiency while minimizing equipment damage. It also ensures operators are able to avoid or respond correctly to hazards and potentially life threatening scenarios. Operator errors and events include a focus on the following areas:

- Accident Avoidance
- Hydraulics Management
- Engine Management
- Maintenance Reduction
- Productivity
- Site Safety Procedures
- Situational Awareness



## Hitachi Supported Development

Developed together with Hitachi's Engineers and Product Managers, the E132 Conversion Kit combines machine specific technical data exclusively provided to Immersive Technologies by Hitachi.



With mining equipment becoming increasingly technically sophisticated, the level of information required to accurately simulate the machines also increases. Through Immersive Technologies' exclusive alliance with Hitachi, you can be assured your product is the most accurate and true representation of the real machine.



Safe Operating Procedures

Environmental Conditions

# Simulation Delivering Safety and Productivity

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### Transforming data to information

SimMetrics™ is a powerful reporting system that helps you review, measure and visualize your simulation data. With an intuitive click-and-drag user interface, you don't need to be a programmer to quickly generate detailed reports on the results of your training.

SimMetrics Benefits:

- Operator and crew benchmarking
- Trending analysis of operator performance
- Early identification of equipment misuse and damage
- Recording of emergency scenario training results
- Enables comparative analysis against site in-pit results.



### Support where and when you need it

You purchase the world's best mining simulation to get the job done. Immersive Technologies provides you the support and peace of mind to make sure your simulator achieves this goal.

Our customers receive a range of comprehensive support services:

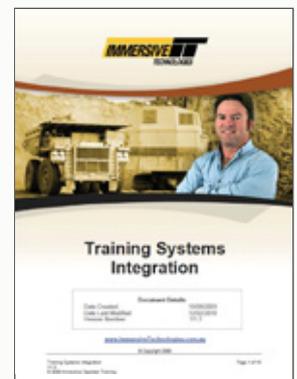
- 24hr phone support
- Rapid emergency visits
- Scheduled on-site service
- Regular maintenance support
- Hardware and software upgrades
- Extended parts warranty
- Best practice training and community networking.

Contact Immersive Technologies today to discuss which of our five year Customer Support Programs best suits your sites' requirements.

### Training Systems Integration for Hitachi Shovels/Excavators

The success of your simulator training depends largely on the knowledge and application of the technology. Immersive Technologies offers on-site and customized consultation programs to assist mines to rapidly integrate their simulator technology, implement training program best practices and achieve maximum return on investment.

Immersive Technologies application specialists work closely with you to develop a customized Hitachi shovel/excavator training curriculum, including the development of detailed performance based benchmarks and reporting systems tailored to your site's specific objectives.



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