Conversion Kit® for Liebherr R9400 Hydraulic Shovel/Excavator

EXCLUSIVE ALLIANCE
ORIGINAL EQUIPMENT MANUFACTURER
SUPPORTED & RECOMMENDED PRODUCT

WHAT DOES THIS LOGO MEAN?

After extensive review of the simulation industry, Liebherr entered into a license agreement with Immersive Technologies in 2005 (Renewed in 2011).

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

As part of this agreement Liebherr exclusively recommend Immersive Technologies' Advanced Equipment Simulators to Liebherr dealers and mining customers worldwide.

Increase operational safety and productivity while reducing your maintenance spend

Immersive Technologies' Conversion Kit development for the Liebherr R9400 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 Liebherr R9400 Shovel/Excavator, with fully functional controls and instrumentation sourced directly from Liebherr.

Original Equipment Manufacturer and industry endorsed R9400 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 Liebherr, 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 Liebherr

Conversion Kits utilize genuine Liebherr cab controls and instrumentation

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www.ImmersiveTechnologies.com

Simulation Delivering Safety & Productivity
E158 Conversion Kit for Liebherr R9400 Hydraulic Shovel/Excavator

Immersive Technologies' E158 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 Liebherr R9400 Shovel/Excavator, with fully functional controls and instrumentation sourced directly from Liebherr.
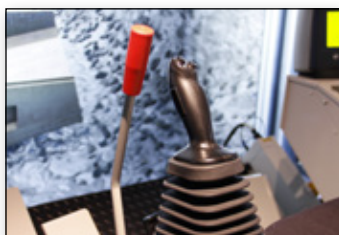
These include an operational Liebherr 'Monitoring Display' and control unit that provide operators with access to information on a wide range of vital machine functions, as well as featuring an engine control panel, dual axis control joysticks and replica track/bucket control pedals.
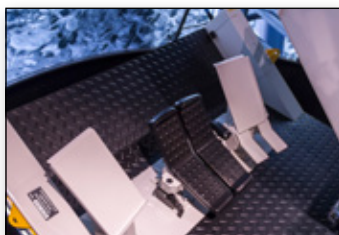
Genuine Liebherr Monitoring Display

Functional Liebherr Monitoring Display Control Unit
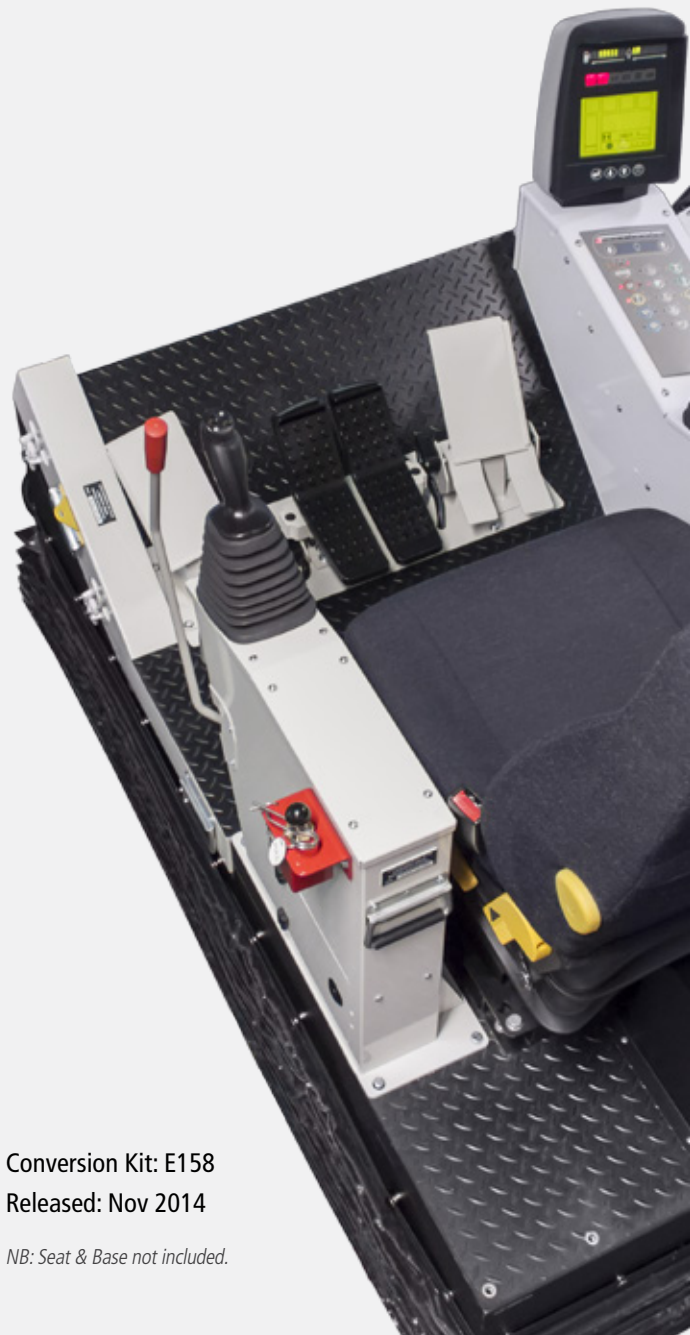
Machine arm joystick and safety lever

Special View Controls for Simulation
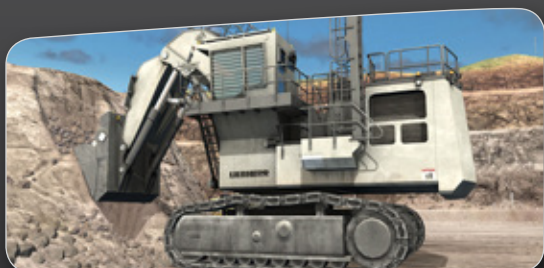
Left & Right propel pedals, bucket open & close

Functional Control Panel

Conversion Kit: E158
Released: Nov 2014

NB: Seat & Base not included.

Digging Skills

Dumping Skills

Spotting Skills

Innovative Simulator Training Software

Immersive Technologies' SimControl software includes a range of specific Liebherr R9400 operator errors for recording and measuring incorrect operator behaviours. In addition, the SimControl software includes Liebherr R9400 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:

- Hazard Avoidance
- Hydraulics Management
- Operator Productivity
- Minimizing Unscheduled Maintenance
- Site Safety Procedures

Liebherr Supported Development

Developed together with Liebherr Product Engineering, the E158 Conversion Kit incorporates machine specific technical data exclusively licensed to Immersive Technologies by Liebherr.

With mining equipment becoming increasingly technically sophisticated, the level of information required to accurately simulate the machines also increases. Immersive Technologies' exclusive alliance with Liebherr provides access to this information ensuring the accuracy and fidelity of our products.

CONVERSION KIT® COMPATIBLE WITH

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

Advanced Equipment Simulator
IM360

AES Series 2, AES Series 2B, AES Lite

Safe Operating Procedures

Environmental Conditions

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:
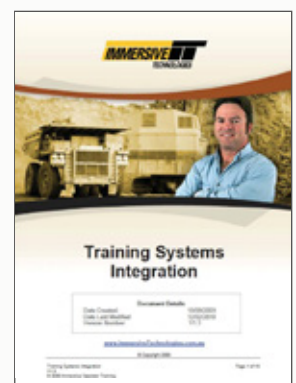
- 24hr phone support

- 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 Liebherr 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 Lieberr Shovel/Excavator training curriculum, including the development of detailed performance based benchmarks and reporting systems tailored to your site's specific objectives.

IMMERSIVE
TECHNOLOGIES