



## Conversion Kit® for Atlas Copco 282 Rocket Boomer



### THE COMPLETE AND SCALABLE SOLUTION

Immersive Technologies provides a custom solution designed to train and develop your mine equipment operators using world leading technologies. This maximizes both effectiveness and throughput of the training process by blending eLearning, Instructor Led Training, Medium and High Fidelity Simulators for the most cost effective solution.

Coupled with this approach are professional integration services, tools and technologies which accurately assess and reduce operator risk. This enables Immersive Technologies to partner with our customers to drive quantifiable improvements in operational metrics such as safety, cost and profitability.

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

Immersive Technologies' Conversion Kit development for the Atlas Copco 282 Rocket Boomer 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 Atlas Copco 282, with fully functional controls and instrumentation.

Correct operating techniques are tightly integrated with an extensive learning system within the Advanced Equipment Simulator. This system has repeatedly demonstrated, via evidence collected from within mining operations, to provide rapid, correct and effective learning and assessment.

With the ability to accurately measure, assess and enhance an equipment operator's skill levels, the Advanced Equipment Simulator can improve safety and profitability on your site.



*Machine dynamics faithfully reproduced to give the maximum realism*



*Accurate instrumentation and controls provide a safe and highly realistic training environment*



# Simulation Delivering Safety & Productivity

## UJ159 Conversion Kit for Atlas Copco 282 Rocket Boomer

Immersive Technologies' UJ159 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 Atlas Copco 282, with fully functional controls and instrumentation.

The UJ159 features accurate and realistic drilling operation with the ability to train with a comprehensive set of operator errors including collaring, hose damage and boom collision.

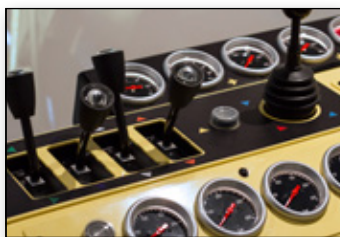
Full tramming functionality is included and covers connecting to site services, hydraulic jacks and negotiating tight corners.



*Drilling controls*



*Sliding and rotating seat action*



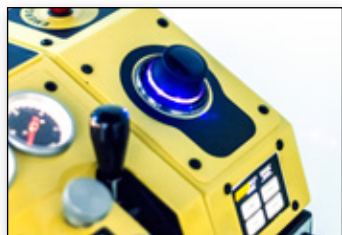
*Pressure gauge panel & positioning controls*



*Jack Controls*



*Full tramming capability*



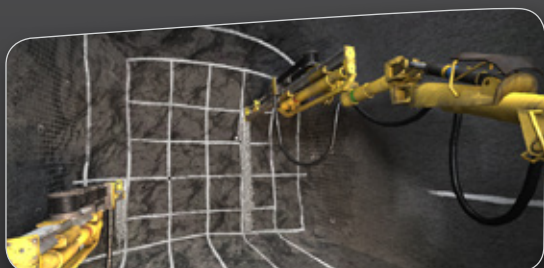
*Special views and walkaround control*



Conversion Kit: UJ159

Released: May 2015

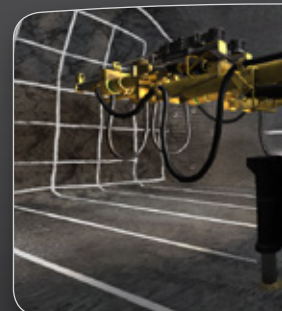
*NB: Seat & Base not included.*



Drilling Training



Tramming Training



Setting Up



CONVERSION KIT® COMPATIBLE WITH  
Advanced Equipment Simulator  
**IM360**

Also included are innovative special views such as an all new 3D Walkaround view that allows the operator to get out of the cabin, line up the booms, view site services connections and inspect the drill.

Post training, operator performance can be reviewed with a 3D graphical view of the holes drilled – compare target to actual and visualize entry angles and errors. All drilling statistics are logged and available for revision in the session summary.

## Innovative Simulator Training Software



Immersive Technologies' SimControl software includes a range of specific Atlas Copco 282 operator errors for recording and measuring incorrect operator behaviours. In addition, the SimControl software includes Atlas Copco 282 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.

**SimControl**  
IMMERSIVE TECHNOLOGIES

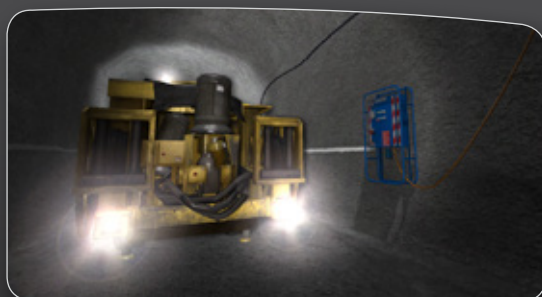
Operator training events include:

- Engine Fire
- Hose Damage & Boom Collision
- Low Water Pressure
- Hydraulic Oil Temperature



Operator errors include a focus on the following areas:

- Hydraulics Management
- Engine Management
- Preventative Maintenance
- Productivity
- Site Safety Procedures
- Situational Awareness



Connecting to Site Services



3D Session Review of Drill Hole Accuracy



# Simulation Delivering Safety & Productivity

## UJ159 Conversion Kit for Atlas Copco 282 Rocket Boomer



### 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:

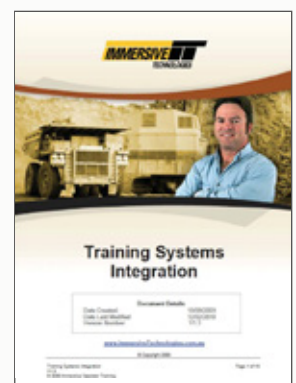
- 24hr phone support
- Rapid emergency visits
- Scheduled on-site service
- Regular maintenance support
- Hardware and software upgrades
- Extended parts warranty
- Best practice training and community networking.

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

### Training Systems Integration for Atlas Copco Rocket Boomers

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 Atlas Copco Rocket Boomer training curriculum, including the development of detailed performance based benchmarks and reporting systems tailored to your site's specific objectives.



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