



## Conversion Kit® for Sandvik TH663 Underground Truck



### 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 Sandvik TH663 Underground Truck provides the ultimate in training realism for mines focused on increasing operator safety, improving productivity and reducing levels of unscheduled maintenance.

The Conversion Kit replicates key elements of the cabin of Sandvik TH663 Underground Trucks, with functional controls and instrumentation.

Original Equipment Manufacturer and industry endorsed Sandvik 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, you can be assured your training solution will be the only accurate and true representation of the real machine available.



*Machine dynamics faithfully reproduced to give maximum realism*



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

## Expect Results

# UT193 Conversion Kit for Sandvik TH663 Underground Truck

- High fidelity cabin designed with the novice and experienced operator in mind.
- Accurate and realistic ore-hauling operation with thoughtful integration of safety and productivity training components.
- Easily adaptable scenarios perfect for recruitment process and operator personalized learning.



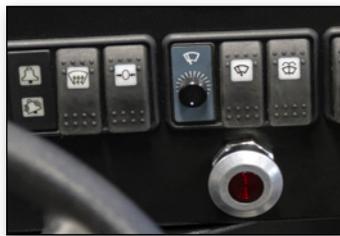
Radio and emergency functions



Accurate vehicle display module



Gear and dump controls



Vehicle indicators



Full pedal base controls



Multiple camera views



Conversion Kit: UT193

Released: May 2017

*NB: Seat & Base not included.*



Loading Scenarios



Dumping Scenarios



Site Specific Procedures



## Innovative Simulator Training Software

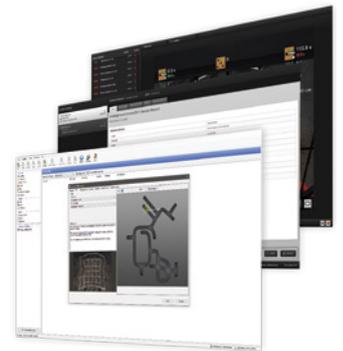


**SimControl**  
IMMERSIVE TECHNOLOGIES

Immersive Technologies' SimControl software includes a range of specific Sandvik TH663 operator errors for recording and measuring incorrect operator behaviours. In addition, the SimControl software includes Sandvik TH663 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.

Training opportunities include:

- Hazard Avoidance
- Machine Safety Testing
- Operator Productivity
- Fuel Efficiency
- Minimizing Unscheduled Maintenance
- Tire Preservation
- Site Safety Procedures

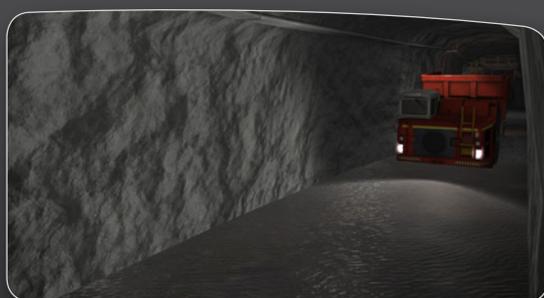


Operator errors and events include a focus on the following areas:

- Engine Management
- Emergency Response
- Site Procedures
- Brake Testing
- Startup and Shutdown Procedures
- Collision Avoidance
- Machine Malfunction



ures



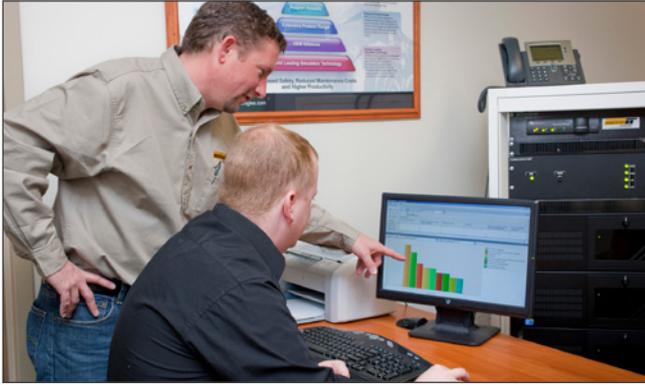
Emergency Scenarios



Safe Operating Procedures

Expect Results

# UT193 Conversion Kit for Sandvik TH663 Underground Truck



## 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.



## Support where and when you need it

Our customers receive a range of comprehensive support services:

- 24-hour 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

## Training Systems Integration

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 Sandvik underground truck training curriculum, including the development of detailed performance based benchmarks and reporting systems tailored to your site's specific objectives.



## Managed Services

Outsource a portion or all of your operator training program and gain access to specialist support across a broad range of capabilities. Managed Services staff are embedded within Immersive's global support network and have direct access to exclusive intellectual property for mine operator training. Whether you are a small or large operation the solution can be scaled, giving you access to a world class support for a fraction of hiring, training and managing these teams on your own.



Enquiries@ImmersiveTechnologies.com  
[www.ImmersiveTechnologies.com](http://www.ImmersiveTechnologies.com)

© Copyright Immersive Technologies  
20181108

**IMMERSIVE**  
TECHNOLOGIES