



# PVTS™ | Portable Vehicle Training System

Intelligent, ruggedised training and safety for live operation training in single-seat mining vehicles.

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## PVTS™ | Compact, Portable Training for Single-seat Vehicle Operators

Well-trained heavy vehicle operators are imperative for efficient and safe mine operation.

PVTS™ is an advanced one-to-one system designed to train single-seat mining vehicle operators and facilitate compliance with State and Federal safety regulations.

Our system allows instructors to teach the requisite skills and techniques and build operator confidence in managing a variety of scenarios in a live mine site operation.

Made from robust materials suitable for rough, unforgiving mining environments and designed to withstand the rigours of training heavy vehicle operators in remote locations.

Prepare your operators with realistic and cost-effective training solutions.



# PVTS™ | Designed for installation and removal in under 30 minutes

Non-invasive, compact, stand-alone unit that can be positioned virtually anywhere around a live mine site operation.

Dead zones that were once difficult to view can be monitored from a safe distance.

Line of Sight connectivity ranges up to 500m between trainer and trainee vehicles.



## Cost-effective

Minimal continued maintenance and training costs once installed.

Less training in non-live operations.

Instructors provide direct guidance on best practice and fuel economy techniques.

Capable of one-to-many training vehicles.



## Risk Management

Eliminates vehicle stop/start as instruction is given and received during operation through visual elements identified by trainer.

Reduces downtime and risk of slips, trips and falls.



## MDG15 Approved

Designed and tested with experienced and highly qualified industry professionals and certified instructors on a range of live mine sites to accommodate a broad range of vehicles.

Non-invasive, versatile system that stores securely in the cabin of many types and models of single-seat machinery, such as graders, dozers and more.



## Portable and Compact

Simple and fast installation and removal during crib breaks or shift changes, minimising production delays.

Transportable to any mine site location.

Detachable F2-G1 Panasonic toughpad option provides 40m range from trainer unit.



## Well-trained Operators

Direct visual feedback from the cabin improves instructor guidance and develops good operator habits from the start, including good posture and steering techniques.

Blade manoeuvres and best-practice techniques can be imparted directly to operator.



Intelligent training facilitated by technology grounded in experience.

### Robust Materials

Designed to withstand the rigours of training heavy vehicle operators in remote locations.

PVTS is made of robust materials suitable for uncompromising environments.

The toughpad and keypad are ruggedised and well-suited for use within the mining industry.

Includes cameras that attach to the exterior and interior of the vehicle and are unobtrusive during machine operation.

### All Weather Conditions

Regardless of the weather conditions and time of operations (day or night) the PVTS cameras maintain visual clarity between trainer and operator so they can be taught how to manage these situations realistically.

### Recording Features

Recording options to capture video or photo snapshots for conveying operational techniques for improved performance.

Can be used later in classroom-based training to provide best practice insight.

### Self-contained Communications

Promote trust and confidence between instructor and operator with private, one-to-one dialog.

WiFi connectivity operates independently of the mining radio network.

WiFi communication minimises radio congestion but ensures the operator and instructor are still aware of the situational environment during training sessions.

Auto-reconnect if connection is lost when vehicle moves out of range.

## PVTS™ Specifications

- FZ-G1 Panasonic toughpad and clip-on keyboard
- SZG-X5-8-i-SyZyGy 4 Channel mDVR
- 900MHz FIPS 197 NIST Certified Network Transmission Radius
- Rugged high-quality case enclosure IP67
- Weight: approx. 13kg per unit
- Dimensions: w440 x h220 x d340 mm
- Customised noise cancelling, rugged headset - safety helmet compatible
- Voice over IP communication

## High-performance Technology

- PVTS™ is rugged and MDG 15 compliant
- 4 individual cameras capture high-definition video images
- Real-time data transmission
- Screen luminosity and equipment suited for harsh outdoor environments
- Toughpad is detachable for outstanding mobility up to 40m from trainer unit

500m - Line of sight

250m - Non Line of sight





## Contact Details

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## About Global Tech Group™

Global Tech Group™ has worked with a wide range of organisations in mining, government departments and private industries to develop the PVTs™.

Global Tech Group™ sources international, leading-edge technology partners and their products to develop new markets in Australasia. We undertake thorough due diligence and market research to develop and implement specific take to market strategies through the specific industry experience and broad skill set of the group.

Through our international partner network we are able to provide professional services for our trusted partners and establish traction in markets such as Australia, New Zealand and Asia.

