Coal Services Pty Ltd

Miners deserve only the best training

Presenter: Bruce Dowsett
Manager Virtual Reality Technologies
Coal Services Pty Limited
NSW Mines Rescue’s Training Philosophy

- Training Room Delivery
- Practical Demonstration
- Virtual Reality Scenario
NSW Mines Rescue’s
Training Philosophy

“Tell me...”
and I may forget,

“Show me...”
and I may remember,

“I involve me...”
and I will understand”
The Virtual Mine Environment

The Training Benefits

- EASY ACCESS
- SAFE EXPOSURE
- EXTENDED VIEW
- RETENTION & RECALL
- ASSESSMENT
The Virtual Mine Environment
The Training Benefits

EASY ACCESS

SAFE EXPOSURE

EXTENDED VIEW

RETENTION & RECALL

ASSESSMENT
The Virtual Mine Environment

The Training Benefits

- Easy Access
- Safe Exposure
- Retention & Recall

- Virtual Mine Environment - Training Benefits
The Virtual Mine Environment

The Training Benefits

RETENTION & RECALL
The Virtual Mine Environment
The Training Benefits
Training with a Virtual Learning Environment

Learning Retention Rates

- Lecture: 5%
- Reading: 10%
- Audio-visual: 20%
- Demonstration: 30%
- Group Discussion: 50%
- Learning by Doing: 75%
- Teach Others / Immediate Use: 90%

Source: adapted from National Training Laboratories, USA
WHAT IS MOST IMPORTANT IS WHAT IS DONE IN THE VIRTUAL ENVIRONMENT,

NOT SIMPLY THE TECHNOLOGY ITSELF!