



# Coal Services Pty Ltd

*Miners deserve only the best training*

**Presenter: Bruce Dowsett**

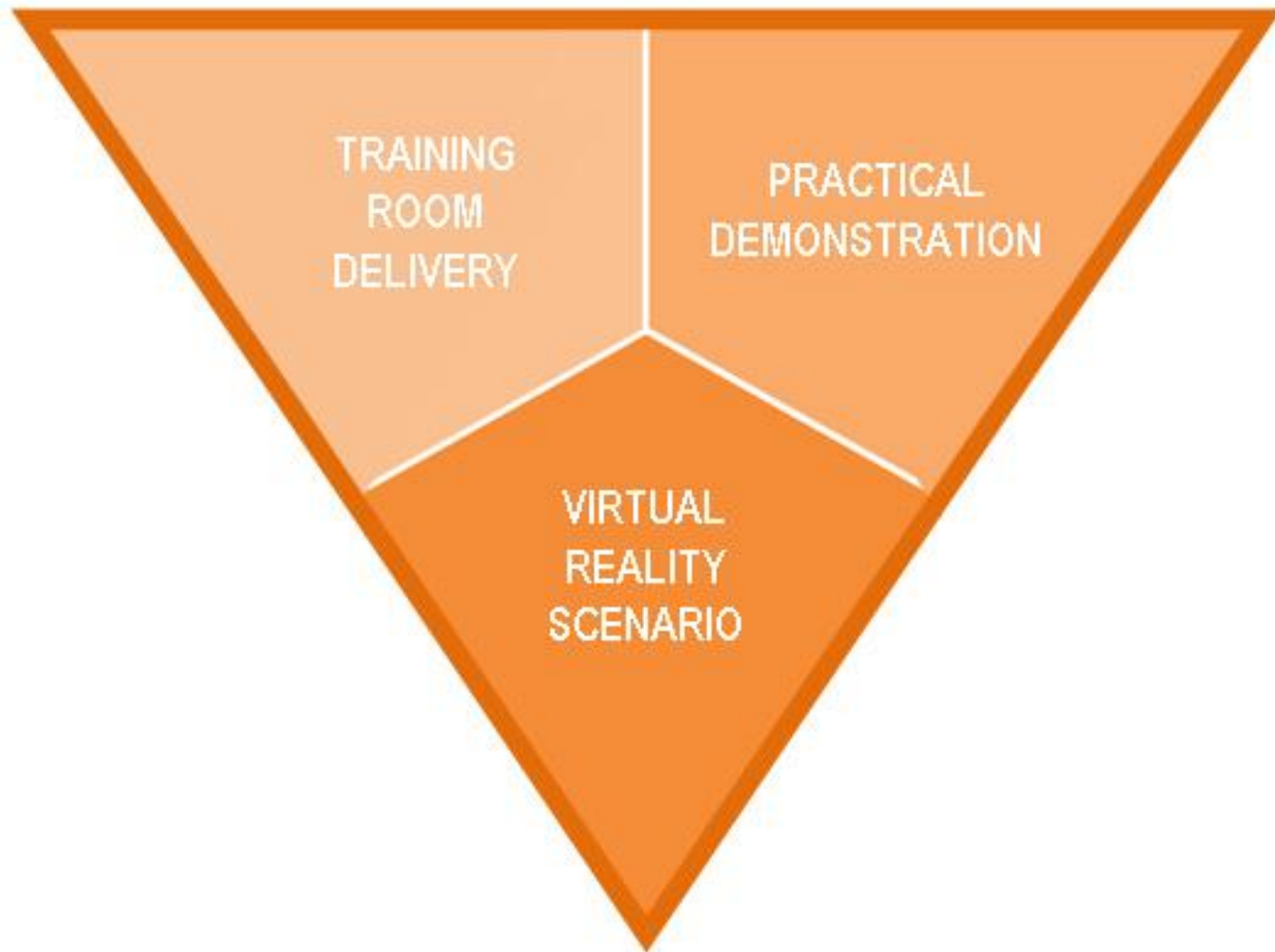
Manager Virtual Reality Technologies

Coal Services Pty Limited



Coal Services Pty Limited

# NSW Mines Rescue's Training Philosophy



# NSW Mines Rescue's Training Philosophy



*"Tell me ...*

*and I may forget,*



*Show me ...*

*and I may remember,*



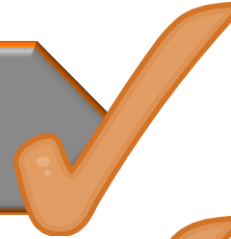
*Involve me ...*

*and I will understand"*

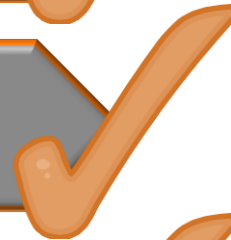
# The Virtual Mine Environment

## The Training Benefits

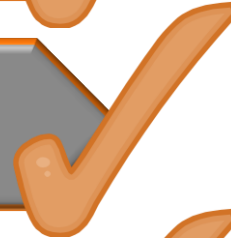
**EASY ACCESS**



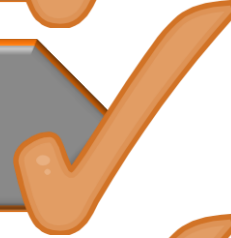
**SAFE EXPOSURE**



**EXTENDED VIEW**



**RETENTION & RECALL**



**ASSESSMENT**



# The Virtual Mine Environment

## The Training Benefits

**EASY ACCESS**

SAFE EXPOSURE

EXTENDED VIEW

RETENTION & RE

ASSESSMENT





# The Virtual Mine Environment

## The Training Benefits

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**SAFE EXPOSURE**

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# The Virtual Mine Environment

## The Training Benefits

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**EXTENDED VIEW**

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# The Virtual Mine Environment

## The Training Benefits

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**RETENTION & RECALL**

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# The Virtual Mine Environment

## The Training Benefits

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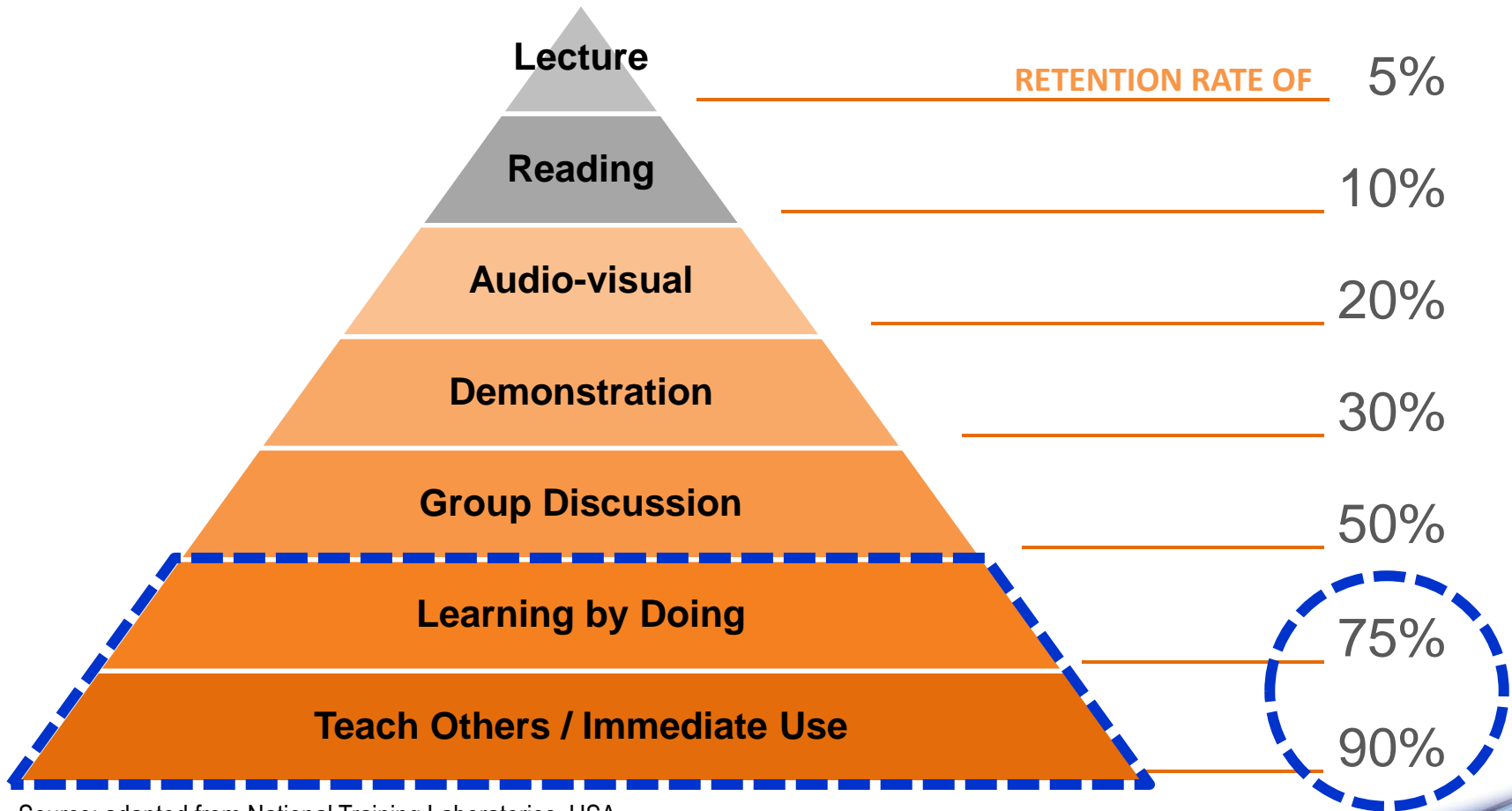
RETENTION

**ASSESSMENT**



# Training with a Virtual Learning Environment

## Learning Retention Rates



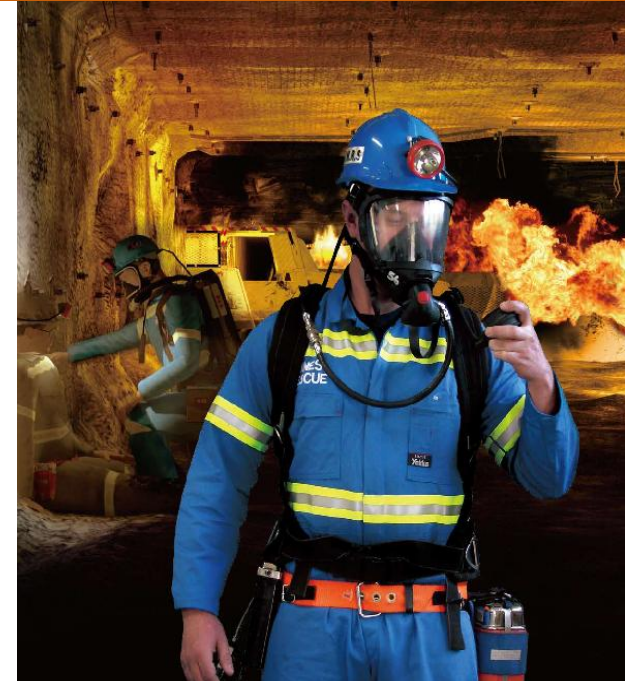
Source: adapted from National Training Laboratories, USA

# Best Practice Use of VR

## More than Hardware & Software



**WHAT IS MOST  
IMPORTANT IS WHAT  
IS DONE IN THE  
VIRTUAL ENVIRONMENT,**



**NOT SIMPLY THE  
TECHNOLOGY ITSELF!**

