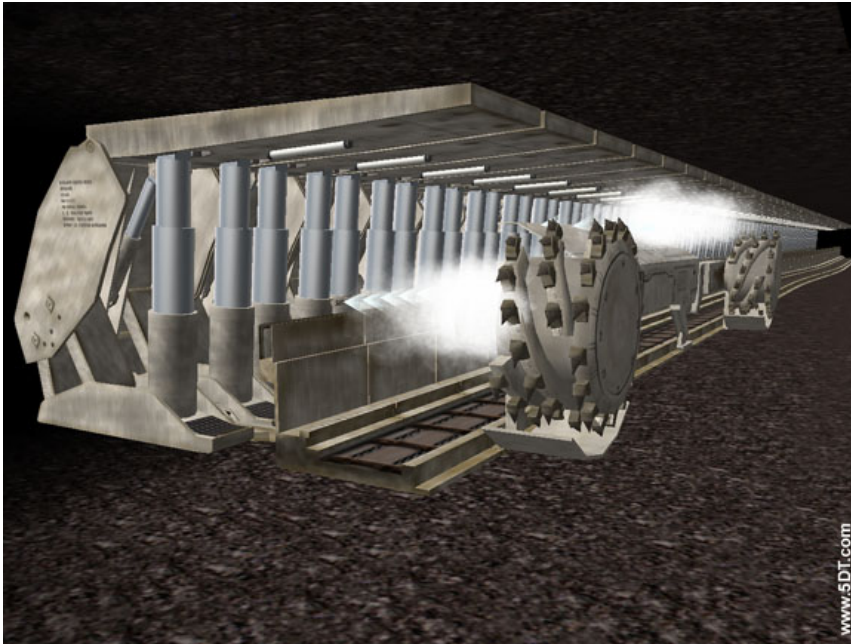


5DT LWTS

Long Wall Training Simulator



Description

5DT LWTS is a virtual reality training simulator that teaches the trainee Long Wall (LW) operator **to control a LW in such a way as to increase productivity while maintaining a high safety standard**. The trainee controls the LW in a virtual coal mine with controls that accurately resemble those of a real LW. The trainee wears a head mounted display (HMD) that is fitted with a head tracker. A real Shearer Remote Control Device is interfaced to the simulator computer. The training is performed in a **safe and controlled environment**.

Benefits

- **Reduced** loss of production time during training
- **Enhanced** operator skills development
- **Higher** production
- **Highly Improved** system visualization
- **Shorter** operator training periods
- **Improved** application of best practices
- **Reduction** of machine wear and tear
- **Increased** safety awareness

Applications

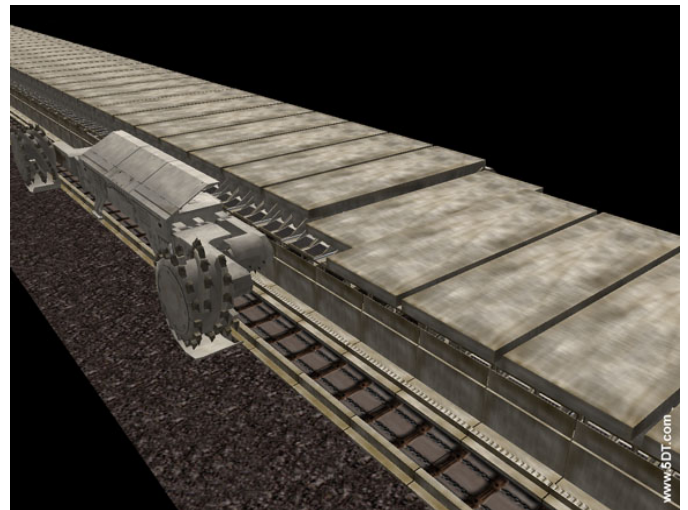
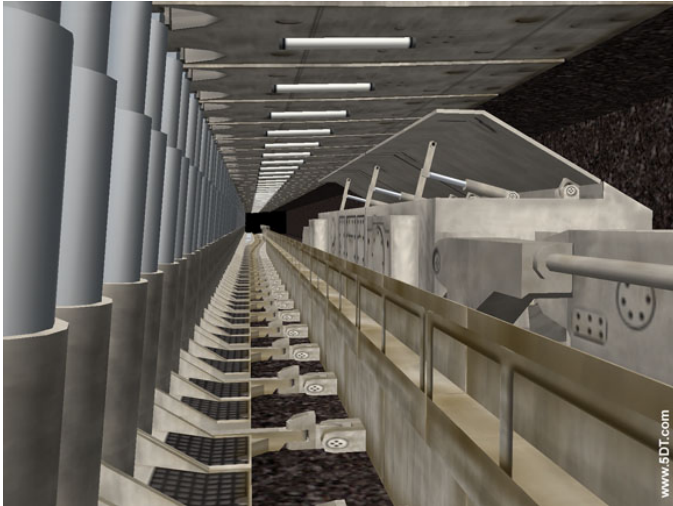
- **Training** of New Operators
- **Evaluation** and **Re-training** of Existing Operators
- **Research** and **Development**
- **Visualization, Familiarization** and **Induction** Tool
- **Marketing** and **Public Relations** Tool

Features

- Realistic **Visuals, Sounds** and **Dynamic Models**
- Realistic **Control Interface** (real controls)
- Secondary **Boom Configuration Setup**
- **Fire Suppression** System
- **Multiple Viewpoints** for Optimum Visualization
- **Cutting** with **Dynamic Material Interaction**
- Main/Tail **Gate Configuration Setup**
- Interactive **Dust Control** (water spray)
- Detailed **Start-up and Shut-down Process**
- Operator **Error Detection**

Customization

The system may be customized to suit the unique requirements of **Different Mines** and **Different Long Walls**.



Further Information

A detailed product brochure and product videos may be viewed (and/or downloaded) on the web at: www.5DT.com

Other Mining-related Training Simulators by 5DT

Underground Mining

- Continuous Miner Training Simulator
- Roof Bolter Training Simulator
- Rock Engineering Computer Based Training System

Surface Mining

- Haul Truck Training Simulator
- Shovel Training Simulator
- Wheel Loader Training Simulator

About 5DT

5DT <Fifth Dimension Technologies> is a high technology company specializing in Virtual Reality [VR]. 5DT develops, produces, and distributes VR hardware, software and systems. 5DT also develops custom turnkey systems for clients. 5DT's primary focus is Virtual Reality Training Simulators.

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5DT – Virtual Reality for the Real World!