

# World's First XR & VR Safety Training Inside Live Coal and Ore Mines

XR & VR Safety Training for Mining: Real-World Deployment Across Live Coal Mines How CHRP-INDIA delivered DGMS-aligned immersive safety training to over 17,000 mining professionals in real operating environments:



Hyderabad, Telangana May 6, 2026 ([IssueWire.com](http://IssueWire.com)) - CHRP-INDIA Delivers One of the World's Largest XR & VR Safety Training Deployments Across Live Coal and Ore Mines

[CHRP-INDIA](#), a leading provider of immersive learning and XR-based industrial training solutions, has successfully delivered one of the largest and most advanced Virtual Reality (VR) and Extended Reality (XR) safety training programs in the mining sector.

The initiative was executed in collaboration with [Mahanadi Coalfields Limited \(MCL\)](#), a subsidiary of Coal India Limited, one of the largest coal-producing organizations globally.

## A Breakthrough in Mining Safety Training

Mining continues to be one of the most hazardous industries worldwide. Traditional training approaches, largely classroom-based, often fail to prepare workers for real-world risks inside active mining environments.

Addressing this challenge, **CHRP-INDIA** implemented immersive XR and VR training directly within operational coal and ore mining sites, eliminating the gap between theoretical learning and real-world application.

### **Deployment at Scale: Proven Results**

The project stands out not only for its innovation but for its scale and execution:

- **17,000+ mining professionals trained**
- **Deployment across multiple live coal and ore mining sites**
- **Standardized training delivery across diverse workforce groups**
- **High engagement across varying skill levels**

This positions the initiative as **one of the largest XR-based safety training deployments in the global mining industry**.

### **Designed for Real Environments, Not Simulations Alone**

Unlike conventional VR implementations limited to controlled environments, CHRP-INDIA's solution was deployed inside active mining zones.

The training framework included:

- Realistic simulations based on actual mining site conditions
- Modules aligned with DGMS (Directorate General of Mines Safety) standards
- XR and VR systems engineered for operational mine environments
- Scalable deployment models across multiple locations

This was not a pilot project. It was a full-scale, operational deployment delivering measurable impact.

### **Industry Credibility Built on Execution**

While immersive learning is widely discussed, very few organizations have successfully implemented it in high-risk, live industrial environments.

CHRP-INDIA's deployment demonstrates:

- Capability to operate in **live, high-risk mining conditions**
- Alignment with **DGMS safety compliance requirements**
- Ability to deliver **large-scale, repeatable training programs**
- Proven outcomes based on **real-world usage and performance**

This establishes CHRP-INDIA as a trusted partner for industrial safety transformation.

### **Expanding Impact Across High-Risk Industries**

The success of this initiative has created a scalable model for other sectors where safety is critical:

- Mining and mineral processing
- Power and utilities

- Oil and gas
- Infrastructure and EPC projects

Immersive XR training is no longer experimental. It is now a **proven, enterprise-ready solution** for high-risk environments.

### Trusted by Industry Leaders

Organizations choose CHRP-INDIA for its ability to deliver where it matters most:

- Expertise in high-risk industrial environments
- Compliance-ready training aligned with regulatory standards
- Proven scalability beyond pilot programs
- Demonstrated success with thousands of trained professionals

### About CHRP-INDIA

CHRP-INDIA is a leading provider of XR, VR, and eLearning solutions, specializing in safety training for high-risk industries. With over 18 years of experience and 100+ enterprise clients, the company delivers immersive, scalable, and impact-driven learning solutions across sectors.

[Know More](#)

### Reference & Industry Links

- Mahanadi Coalfields Limited – <https://www.mahanadicoal.in>
- Coal India Limited – <https://www.coalindia.in>
- Directorate General of Mines Safety (DGMS)

The XR and VR safety training program delivered by CHRP-INDIA inside live coal and ore mines represents a defining milestone in industrial training innovation.

Training over **17,000+ professionals in real operational environments**, the initiative stands as a benchmark for how immersive learning can be applied at scale in industries where safety is critical.

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Source : CHRP-INDIA Pvt Ltd

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