

# SAFETY

## SAFETY RESEARCH CENTER



The Safety Research Center addresses unique issues related to Safety and Risk Management in the mining industry: ventilation, ground control, and Mining Health & Safety Research.

### AREAS OF EXPERTISE

- ◇ Expert advice and testimony regarding legal interpretation of regulatory issues in underground mining.
- ◇ Design and implementation of safety modules for engineering schools in Canada.
- ◇ Regulatory advice in Occupational Health and Safety.
- ◇ Technical expertise in Mining Ventilation.
- ◇ Virtual Reality Lab Simulation.
- ◇ Pre-Start Audits.
- ◇ Design of health and safety programs for supervisors, inspectors, and managers.
- ◇ Technical advice regarding Mine Rescue Emergency Procedures

## The International Search to Curtail Diesel Emission Projects

The International search to curtail diesel emission projects and associated workshops/ presentations, are aimed at the elimination of diesel soot in mining operations – underground miners #1 hazard. This applied research is supported by a consortium of Vale Sudbury/ Thompson, Glencore, KGHM, Camiro, CANMET, NIOSH/USA, VERT/Switzerland, JM/Germany and TFHudgins/USA.

## GMIRM Courses

The Global Minerals Industry Risk Management course (GMIRM) is aimed at anyone with a potential or actual responsibility for defining and managing site, operation or discipline approaches to risk management. This may include General or Mine Managers, Superintendents, Plant Supervisors, etc.

## Bow-tie Analysis

Significant work in facilitating safety risk analysis, using the Bow-Tie tool has been undertaken by MIRARCO. This tool allows for a systematic analysis of the effectiveness of controls in place that would prevent an unwanted event from occurring. Sessions have been held in Sudbury, Goose Bay and St. John's.



Industry professionals understand the importance and value of risk management. The GMIRM course will help individuals gain the knowledge required to identify risks and initiate the changes to reduce them.

Open and Closed courses available.



## Technology and Management of Change

Change plays a significant role in improving mining safety, productivity performance and processes. MIRARCO facilitates and provides instruction on practices in Management of Change policies and procedures.

**For more information contact:**  
**Glenn Lyle**  
**Director, Safety Centre**  
**Tel: (705) 675-1151 Ext.5074**  
**Email: [glyle@mirarco.org](mailto:glyle@mirarco.org)**

