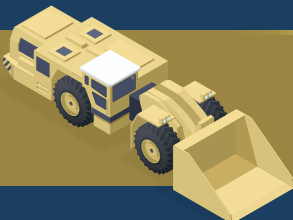


EVOLUTION OF MINING Health & Safety

Delivering health and safety improvements through collaboration and innovation

Mining health and safety continues to evolve and improve. Progress is achieved through technological innovation, new research, better engineering and training, as well as advances in equipment, mechanization, digital analytics and robotics.

- 1890** – Mining Operations Act establishes rules for ventilation, blasting, manholes, lifting devices, shaft signals, brake machinery, and boilers
- 1914** – Workmen’s Compensation Act provides for compensation and rehabilitation to injured workers
- 1920** – Ontario Mining Association established
- 1929** – Ontario Mine Rescue created under the Department of Mines
- 1930** – Mines Accident Prevention Association of Ontario created (now Workplace Safety North)
- 1976** – Royal Commission publishes the Ham Report, which introduces the Internal Responsibility System
- 1978** – Ontario Occupational Health and Safety Act
- 1979** – Mandatory specialized training
- 1982** – Burkett Commission report on mine safety leads to a governance model for incident investigations
- 1985** – Stevenson Commission on mine safety results in improved training and communication
- 1988** – Workplace Hazardous Materials Information System (WHMIS) established
- 2012** – Battery electric vehicle technology begins to be used in underground mining operations
- 2014** – Risk assessment of underground mining sector
- 2015** – Mining Health, Safety and Prevention Review
- 2017** – Ontario Regulation 854 requires risk assessments
Industry experts carry out underground and surface risk assessments and root causes analyses to recognize, assess, and control top hazards
- TODAY** – Mining in Ontario is a multi-billion dollar industry known around the world for its safety and environmental leadership, diversity, productivity, and innovation
- TOMORROW** – Creating the next generation of integrated predictive safety systems to improve health and safety outcomes



ELECTRIC VEHICLES
Battery electric vehicles decrease diesel emissions underground and are quieter and smoother to operate.



TELE-OPERATING
Remote systems enable operators to control mining equipment from a safe distance.



DRONES
Safe exploration and information-gathering in underground mines.



ONTARIO MINING OPERATIONS

Ontario – home to some of the most mineral-rich deposits in the world – is a responsible producer of nickel, gold, copper, zinc, platinum group elements, and other critical minerals. Mining and exploration promote regional development and create opportunities in all parts of the province.

Please refer to current regulations to ensure compliance. For more information about mining health and safety, visit workplacesafetynorth.ca and oma.on.ca

