

# Colin Morrish, CEng MIMMM- PEng – CMIOSH - CRSP

## *Mining Engineer-Safety Specialist*



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**Health:** Excellent  
**Nationality:** British /Canadian  
**Driver:** Clean UK License  
**DOB:** 19<sup>th</sup> August 1967

### PROFILE

A highly motivated mining engineer. Thirty years' experience in the mining, exploration and construction industries. Methodical and systematic worker. Research technology and archaeology. Experienced provider of reports and requirements which positively influence all levels within organisations providing desired outcomes, effective solutions and improvements.

Works closely with management and staff to fully integrate safety management capabilities. Builds effective working relationships with all stakeholders including company personnel, government authorities and contractors to ensure an effective safety culture is fully implemented.

### KEY PERSONAL & LEADERSHIP STRENGTHS

- Identifies and evaluates hazards and risks, assesses impacts associated with each activity and develops various control techniques and procedures.
- Provides guidance and support to establish a risk-based culture and manage safety.
- Investigates incidents to establish direct, indirect & root causes to suggest remedies that would incorporate compliance & create safety management reports for all staff.
- Works with all levels of management and staff to promote a safe and excellent working environment that is aligned to working practices.

### EDUCATION, QUALIFICATIONS & MEMBERSHIPS / AFFILIATIONS

- CEng - Chartered Engineer - Engineering Council
- MIMMM – Professional Member of the Institute of Materials, Minerals and Mining
  - MinSouth President
- PEng – Professional Engineer - Association of Professional Engineers and Geoscientists of Saskatchewan
- Member – Canadian Institute of Mining, Metallurgy and Petroleum
- CRSP - Canadian Registered Safety Professional - Board of Canadian Registered Safety Professionals
- CMIOSH - Chartered Member of the Institution of Occupational Safety and Health
- M.Eng - Master of Engineering (Mining), McGill University, Canada
- B.Eng - Bachelor of Engineering (Mining), McGill University, Canada
- CSCS Professionally Qualified Person – White Yellow Card – CITB - UK
- Site Management Safety Training Scheme – CITB - UK
- OHSAS 18001 – Lead Auditor Training
- ISO 45001 – Auditor Migration Training

### PUBLICATIONS

- *A novel robotic technology for surveying flooded underground mines*, **CIM Convention 2022** (Canadian Institute of Mining, Metallurgy and Petroleum). **2022**
- *Buoyant aircraft for mineral exploration drilling projects*, **Flights of Fact and Fantasy** (The Airship Association). Co-authored with Professor Barry Prentice (University of Manitoba). **2018**
- *Incident prevention tools – incident investigations and pre-job safety analyses*, **International Journal of Mining Science and Technology** (China University of Mining & Technology). **2017**

- *Avoiding workplace accidents – the importance of pre-job safety analyses* 3<sup>rd</sup> International Symposium of Mine Safety, Science and Engineering (McGill University). 2016

## CAREER HISTORY

### 2020-Present

#### 4dCoders/Resources Computing International (RCI)– Consultant

- Research logistics to develop *Resilient Bio-inspired Modular Robotic Miners*
- 4dCoders/RCI are working on the Robominers Project
- This project is funded by Horizon 2020, the biggest European Research and Innovation programme ever

### 2016-Present

#### Mine Safety Specialist (Freelance)

- Analyse and impart concepts to help make work safer & more efficient
- Inspect heavy industry sites
- Assist in occupational safety and health management at worksites and with various stakeholders

#### 2018, February-March Contract, Anglo Asian Mining PLC – Azerbaijan International Mining Company (AIMC):

- Commissioned to inspect the Gədəbək mines and mineral processing facilities.
- Presented incident investigation procedures to AIMC's Health, Safety, Environment and Community Department.
- Summarised visit in a comprehensive report which included occupational health and safety management modification suggestions.

#### 2018, August-September Contract, Anglo Asian Mining PLC – Azerbaijan International Mining Company (AIMC):

- Adapted Standard Operating Procedures from one mining operation to the Gədəbək mine site.

### 2015 – 2018, NEBOSH Examiner - UK

### 1996 - 2014 (Canada)

#### Saskatchewan Ministry of Labour Relations & Workplace Safety - Occupational Health and Safety Division

##### Occupational Health Officer - Mines Inspector

- Promoted the development and implementation of operations and strategy to improve OHS performance at minesites that would include legislative compliance and best industry practice more than 1200 times.
- Participated and actively contributed to the development and maintenance of policies, documents, organisational procedures, operational goals and targets related to health and safety programs.
- Conducted and monitored periodic audits to ensure that standards and legal requirements are consistent with the provincial legislation using analysis methodologies and raise non-compliance issues during meetings with stakeholders.
- Took appropriate action for any failings and non-compliance with Saskatchewan Occupational Health and Safety legislation.
- Monitored, assessed and reviewed the Health and Safety training requirements to ensure competency levels are achieved.
- Collaborated with colleagues in different technical disciplines to investigate unsafe hygiene, radiation and ergonomic concerns.
- Investigated Occupational Health & Safety Incidents to ensure that they are not repeated at particular minesites where it occurred and other minesites.

### 1985 – 1996

#### Short Term Employment-worked at both open pit and underground mines as well as research institutions where tasks included:

- Surveying mines.
- Developing detailed computerised mine site plans.
- Researching the use of Time Domain Reflectometry cables to monitor movement in unconsolidated material.

REFERENCES & CERTIFICATION AVAILABLE UPON REQUEST