



**MESAFE**

*MESAFE AUTO H<sub>2</sub>O*

*Automatic Dust  
Suppression*



**Our goal is to increase safety & efficiency in the construction and mining industry through cost effective solutions.**



## *MESAFE AUTO H<sub>2</sub>O – Automatic Dust Suppression*

*The team at MESAFE believe that we can provide a value adding solution to reduce dust in underground mines.*



## *Advantages*



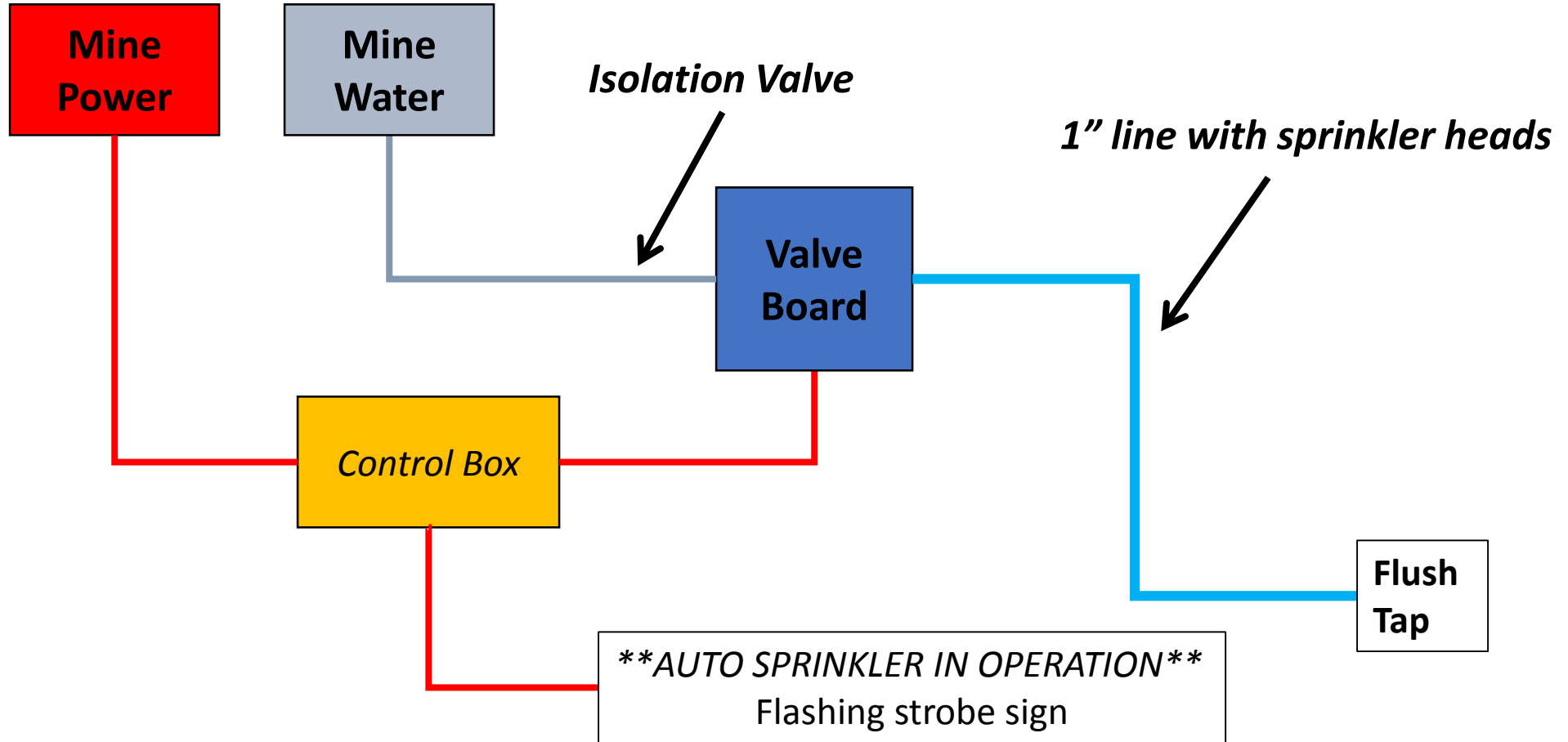


## *MESAFE AUTO H<sub>2</sub>O – Automatic Dust Suppression*

- *MESAFE AUTO H<sub>2</sub>O* is an automated dust suppression system designed for use in underground mines.
- The system has the following advantages to underground operations:
  - Employee health & safety.
  - Minimal interruption to core production activities (*eg. Trucks stopping ‘in cycle’ to turn sprays on/off*)
  - Consistent water application on travel ways.

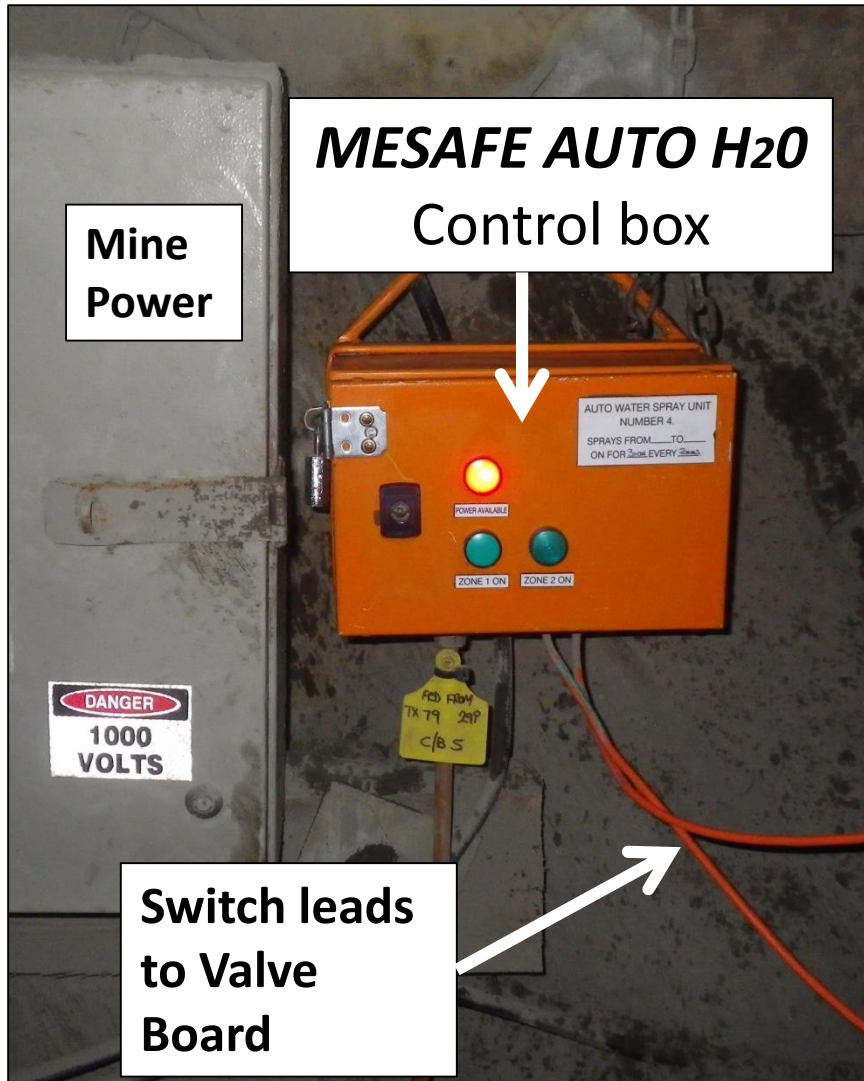


# How it Works





## Control Box

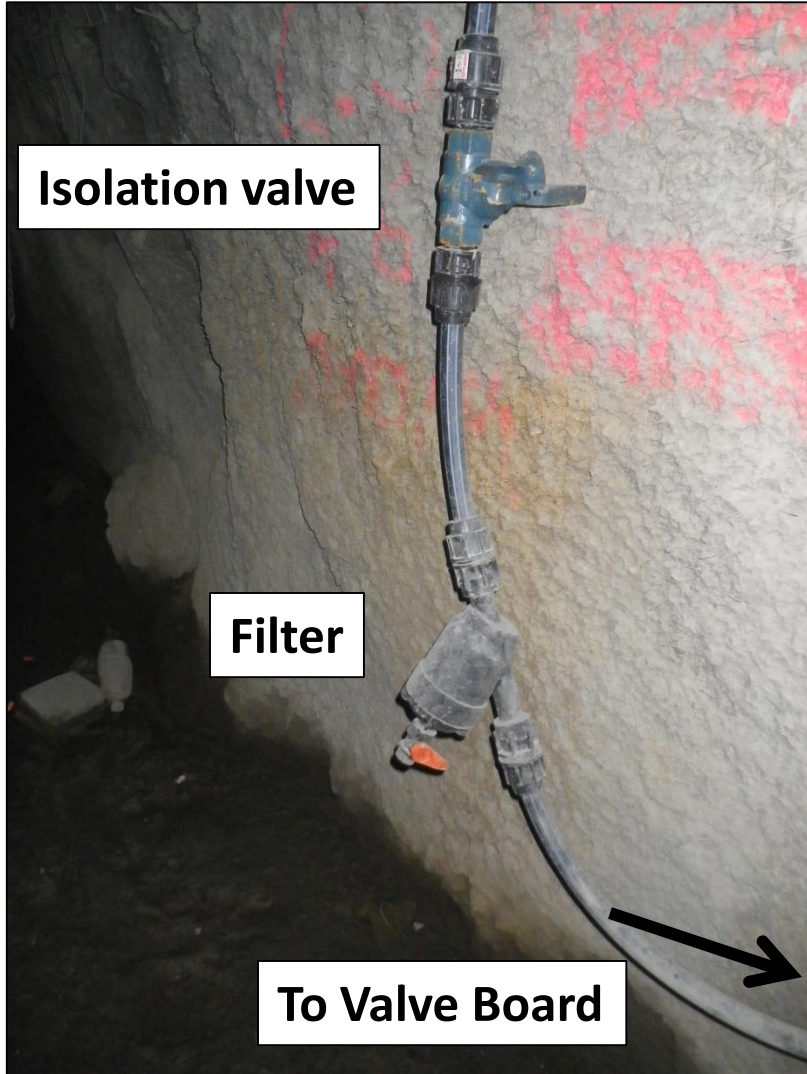


- Control box runs on mine power, tailored to suit different power feed options (eg radio boosters, DB's, sub stations etc...)





## Water Feed

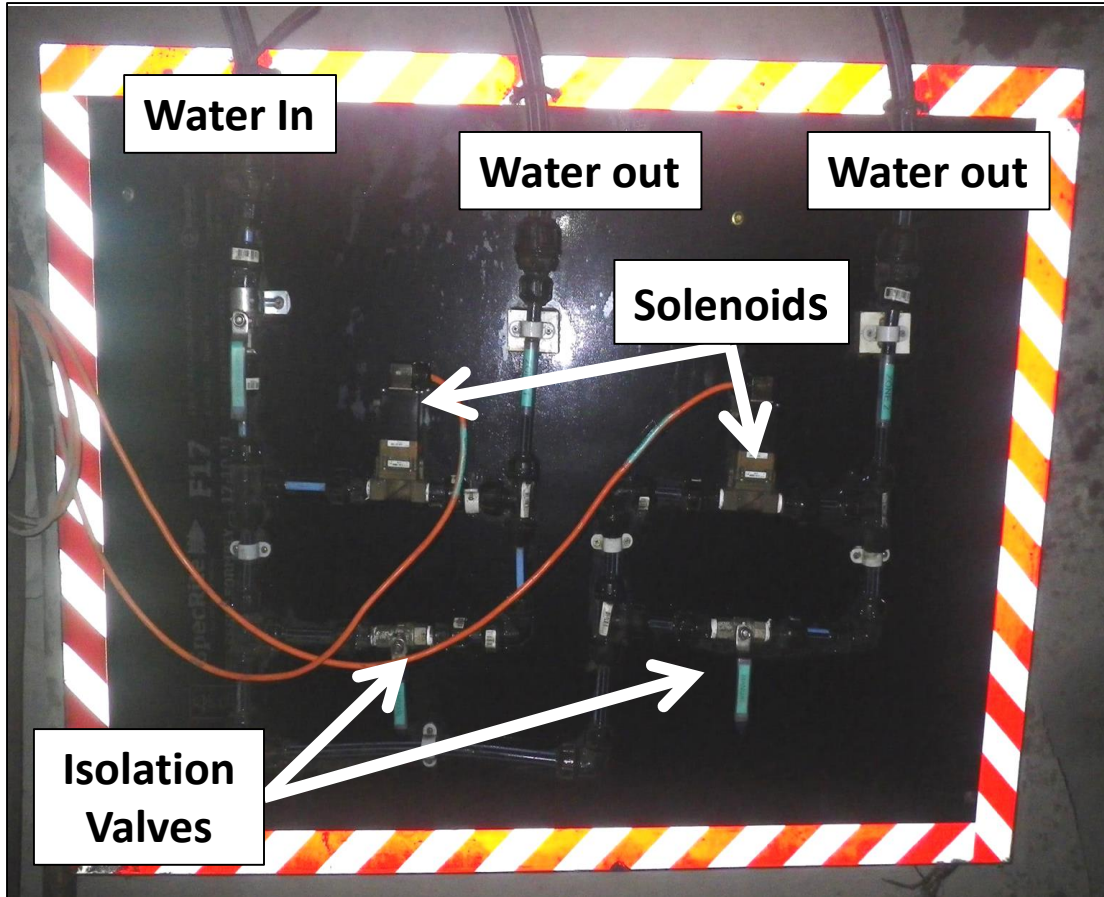


- System fed from mine water
- Filter type varies depending on site water properties





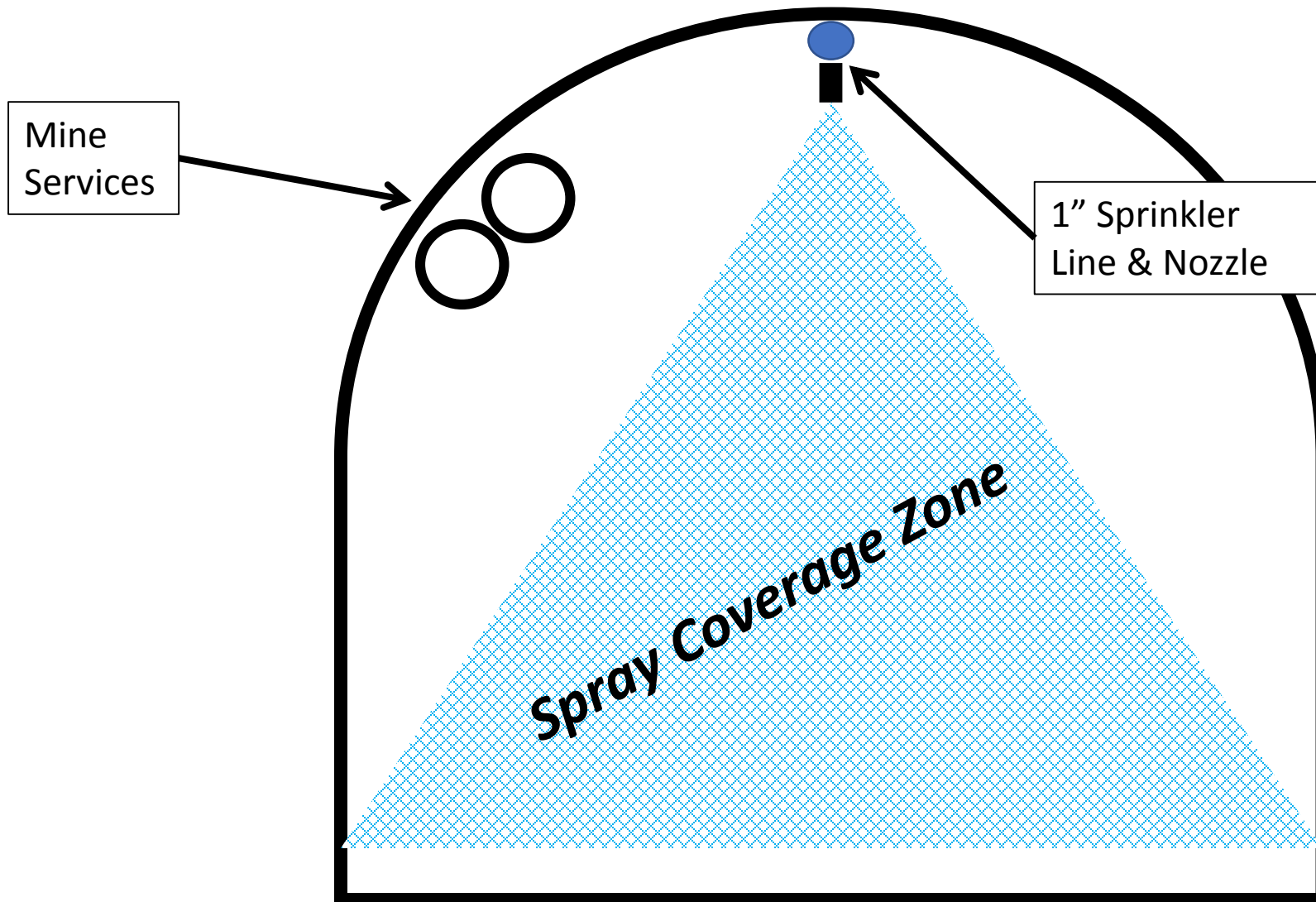
## Valve Board



- Manual & auto options
- Tailored to suit site requirements (*eg single or dual outlets*)

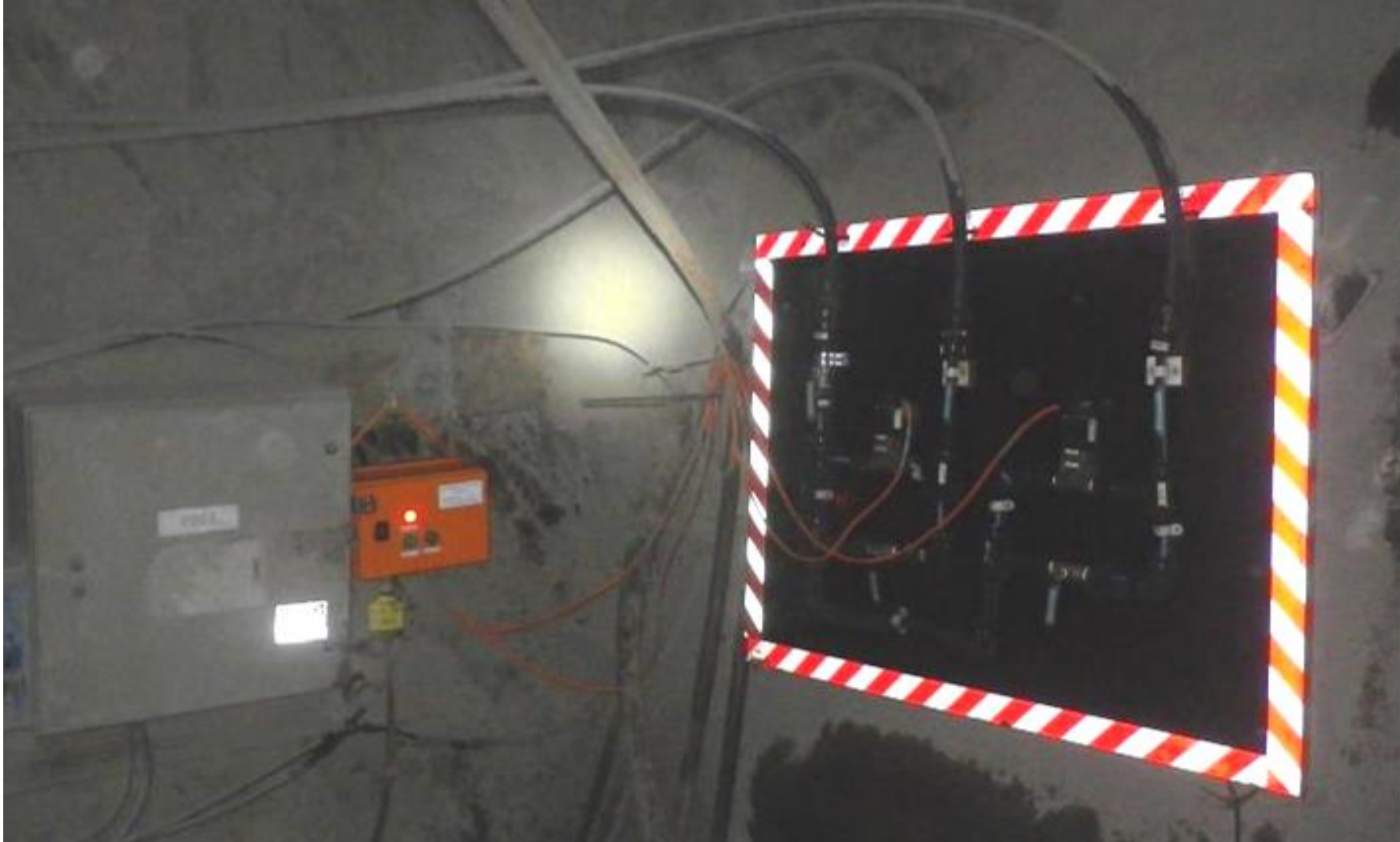


# Typical Drive Profile





## *MESAFE AUTO H2O Dual Zone Set Up*





## *What we offer*

- Trial the system
  - Install *MESAFE AUTO H<sub>2</sub>O* system over a 300m section of travel way where dust is an issue.
  - Using our past experience, tailor the system to the section of travel way.
- Stakeholder engagement
  - Present the system to the underground workforce & work through all issues raised.
- Onsite training
  - Provide onsite training on all operational aspects of the system:
    - *Maintenance*
    - *Altering sprinkler timing*



## *Summary*

*This system offers a sustainable solution to a common problem in underground mines.*

*We look forward to discussing this project further with you*

*Andre Noonan*  
*Director*

*Gerry Noonan*  
*Technical Manager*

*Sam Thomas*  
*General Manager*



**ME**  
**SAFE**