Underground Railway Station Fire Model



UNITED KINGDOM · CHINA · MALAYSIA

Background

Underground station fires have the potential to lead to hazardous situations. Automatic detection, suppression and alarm systems help reduce the risk of a large station fire.

Objective

Develop a model to predict the likelihood of the undetected failures of automatic fire detection, suppression and alarm systems.



Components with revealed and unrevealed conditions are included



Model Outputs

- Probability of protection system failure within a required time interval
- Cost of interventions