

# Tunnel Fire Ventilation Research: Australian Safety Guide

Enhancing Tunnel Safety in Australia's Underground Transport Systems



## Research Focus Areas



Airflow Dynamics &  
CFD Modeling



Advanced Smoke  
Detection Systems



Emergency Response  
Strategies

## Key Objectives

- ▶ Control Smoke, Heat, & Toxic Gases
- ▶ Improve Evacuation & Access
- ▶ Enhance Resilience & Safety

## Applications & Benefits



Fire & Rescue  
Training



Police & Ambulance  
Support



State Emergency  
Service (SES)

[www.firerescue.com.au](http://www.firerescue.com.au)

In an Emergency, Call **000**

Preparedness. Protection. Public Safety.