



ENGINEERS
AUSTRALIA

SOCIETY OF FIRE SAFETY 25 YEAR ANNIVERSARY

Engineers Australia



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CELEBRATING
OUR CENTENARY

What Have We Learned ?



- Engineers Are we Experts in the
- Engineers Development of better fire systems
- Society of Fire Safety is Education Opportunities
- Education Options going forward
- Bushfire Threats – The Origin of Very Early Smoke Detection System VESDA (Aspirated Detection System)
- Testing Standards – Development and New Methods

A Problem to Solve?



The Latest in modern construction facilities has been proposed

A multiuse building with RETAIL, OFFICES, PARKING, TRANSIT, MEDICAL, CHILD CARE, RESIDENTIAL, ROOF BAR and CAFÉ

What are the potential threats..... Where do you start



FIRE ENGINEERING REVIEWS

- What Special Features are included:
- Energy Reduction
- Multiple Lift Systems
- Structural Variances – Steel, Concrete, Timber used
- Architects Atrium Entry and partial on terraces Garden Wall inside





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The Project

Fire Safety Engineers in Australia



- **Fire Engineering Verification Method**
- **Risk Based analysis**
- **Prescriptive Design – Do they exist**
- **Modelling Process, Design Fires**

Fire Safety Engineers in Australia



- **Sustainability**
- **Energy and Maintenance**
- **Earthquake – reactions in Fire Thermal**
- **Fire and Smoke Controls**
- **Evacuation Programs and Warning**

Welcome to the SFS Dinner - InterContinental

www.engineersaustralia.org.au



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