



**FIRE CHECK**  
CONSULTANTS  
Est.1999

Delivering innovative fire safety  
solutions across Australia and beyond.

Protecting assets, people and reputations  
through performance-based fire engineering.

## CAPABILITY STATEMENT

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# About Us

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## Award-Winning Partners in Fire Safety

Founded in 1999, Fire Check Consultants (FCC) delivers specialist fire safety engineering services to complex and high-risk environments across Australia and internationally. Our prompt, professional service is backed by nationally and internationally registered engineers, ensuring consistent compliance with legislation, codes and standards.

We collaborate with developers, asset managers and design teams to navigate regulatory challenges and deliver outcomes that preserve life, property, and capital value. Our extensive project experience spans residential towers, retail precincts, community and healthcare facilities, entertainment venues, industrial sites, warehouses, transport infrastructure, and the mining sector.

### The Mission

*To ensure a safe and resilient environment through innovative fire prevention, safety and engineering excellence.*

FCC was awarded the Urban Development Institute of Australia's Consultancy Excellence Award for our work on the Link Portside development at Brisbane's Hamilton cruise port precinct.





# Our Core Services

FCC specialises in delivering bespoke fire engineering solutions for complex building designs, assisting clients in navigating regulatory challenges and ensuring full compliance with the latest building regulations and standards.

The FCC team of fire safety and fire protection engineers is proud to offer the following services to clients across Australia and around the world:



# Fire Safety Engineering

## Innovative performance-based solutions for complex projects

Fire Engineering is a dynamic and evolving discipline, and FCC has been at the forefront of its development since its early adoption in Australia. We specialise in delivering code-compliant Performance Solutions that promote design flexibility, cost efficiency, and architectural innovation.

By using advanced modelling tools such as Fire Dynamics Simulator (FDS) and Pathfinder, we accurately simulate fire behaviour and evacuation scenarios to validate our fire safety strategies.

### Our core services include:

- › Fire Safety Concept Design Strategy
- › Performance-Based Design Brief (PBDB) and Fire Engineering Report (FER)
- › Structural Fire Engineering
- › Fire, Smoke, and Evacuation Modelling

Our engineers are Chartered, APEC Engineers, and International Professional Engineers, qualified to provide consistent, high-quality services across Australia, New Zealand, Papua New Guinea, India, and other Asia-Pacific regions.



Estito on the Park QLD



Gallery House Portside Hamilton QLD



Star Mountain Plaza Stage 2 Hilton Hotel PNG





Sero Apartment NZ



Queensland Cotton



Macrossan Tower, Brisbane

## Fire Protection System Services

### Designs built for reliability, compliance and global standards

FCC provides full fire protection system design services for new builds and upgrades across residential, commercial, industrial and mining sectors.

We deliver detailed designs, specifications and drawings to Australian and international codes, supporting:

- > Wet Fire Protection System Design (Fire Sprinkler, Wall-wetter, Fire Hydrant, Fire Hose Reel, and Deluge System)
- > Dry Fire Protection System Design (Automatic Fire Detection and Alarm System)
- > Gaseous Fire Suppression System
- > Fire Safety Schedule, Baseline Data and Equipment Asset Register
- > Tender Specification

Our fire engineers work closely with builders, contractors and certifiers to ensure efficient approvals and clear implementation pathways.



Bunyaville Education Centre (Bushfire structure)



International Terminal Cairns Airport

## Fire Advisory Services

### Specialist guidance on building code and bushfire compliance

We help clients interpret and apply the National Construction Code (NCC) and state-based regulations for all types of building work.

#### FCC offers specialist advice:

- › Building Code and Standards Compliance Advice
- › Fire Engineering for Timber-Framed Construction
- › AS 3959 Bushfire-Resistant Structure Design
- › Passive Fire Protection Measures
- › Change-of-Use and Upgrade Scenarios

**Our consultants ensure developments meet statutory obligations without over-engineering. We are your compliance partner for unique sites, remote areas or sensitive environmental zones.**



# Technical Reviewing and Certification

## Trusted independent reviews and compliance evidence

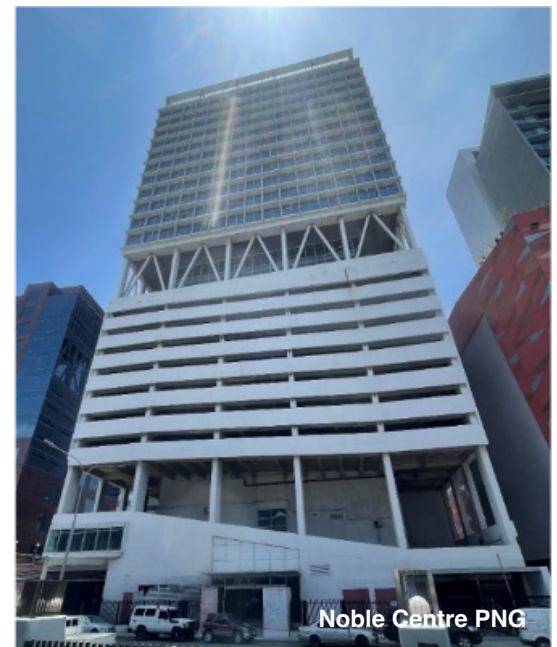
FCC provides peer reviews and Evidence of Suitability reports to support alternate or performance-based fire solutions.

### Our technical reviewers help:

- › Assess the compliance of complex designs
- › Resolve differing opinions between project stakeholders
- › Support for compliance with the Fire Service Act and relevant legislation
- › Satisfy approval authorities with sound engineering judgment

We're regularly engaged to review critical life safety systems and performance solutions for landmark developments.

Where code compliance is achieved through alternative means, we produce clear documentation to support approvals and meet legislative requirements.





# Fire Risk Management

## Proactive risk analysis to protect life and property

FCC offers strategic fire risk management services designed to reduce liability and improve operational safety. We help identify and mitigate fire hazards before they lead to costly incidents.

**With a deep understanding of sector-specific challenges, our team delivers practical, standards-aligned solutions for buildings, facilities and critical infrastructure.**

### Fire Risk Services:

- › Site Fire Risk Assessment
- › Fire Safety Audit and Gap Analysis
- › Risk Mitigation Strategy Development
- › Building Façade Fire Safety Audit
- › EV Carpark Bays
- › Hazardous Goods Inspection
- › Fire and Evacuation Plan
- › Evacuation Diagram





St Marys Cleanaway Fire, NSW



Symbion Unwanted Sprinkler Activation QLD

## Investigation Matters

### Uncovering root causes through evidence-based analysis

FCC provides expert investigation services into fire incidents and unwanted alarm events.

#### We complete investigations for:

- › Fire Origin and Cause
- › Frequent Unwanted Fire Alarm
- › Unintended Sprinkler Activation
- › cPVC Sprinkler System Component Failure
- › Fire Damage Assessments and Remedial Action Planning

Our consultants apply fire science and engineering to determine the most probable cause and provide clear, documented findings. We help clients avoid recurrence, maintain regulatory compliance and manage insurance risks.



# Why Choose FCC?

**Qualified.  
Connected.  
Responsive.**



## **Accredited all over Australia & internationally**

Our engineers are registered in all Australian states and internationally



## **Truly national**

We have consultants across Australia and service clients in New Zealand, PNG, India, and other Asia-Pacific regions.



## **Prompt & professional**

We deliver fast, reliable support for time-sensitive projects.



## **International support**

Ideal for global clients with multi-country portfolios.





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## Get in Touch

### Let's make your fire strategy stronger

Email us your building drawings and any known compliance issues, and we'll provide a no-obligation proposal outlining how we can help.

#### Email

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