



Integrated **Fire** Services PTY LTD
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- ▲ design
- ▲ implementation
- ▲ operational readiness

engineering **excellence** in fire consulting

Capability Statement

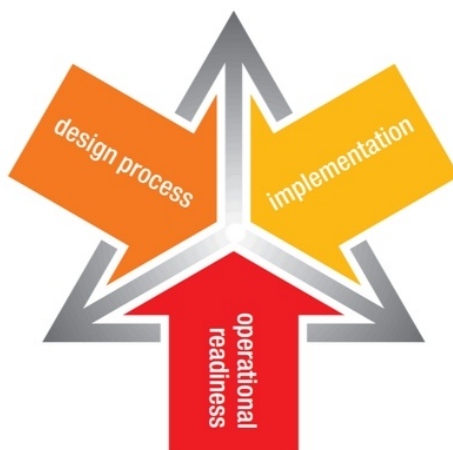
This capability statement provides information on the abilities of Integrated Fire Services Pty Ltd to provide fire consulting services and covers:

1. Scope of services
2. Key area of operation
3. Qualifications and experience

1 Scope of Services

IFS provides fire consulting that covers the following building life cycle phases:

- ▶ **Design** of the building and building systems
- ▶ **Implementation** of the design in a construction phase
- ▶ Maintaining **Operation Readiness** after the building works are completed



1.1 Design

The design phase ensures that our clients receive cost-effective, efficiently-implemented and practical fire protection solutions characterised by innovation and thoroughness. Our use of new technologies, based on proven standard solutions, ensures that our designs work first time. Our comprehensive design documentation encompasses all statutory compliance, which allows for immediate implementation. Our communication processes ensure that stakeholder roles are identified and perceptions are aligned from the beginning. This reduces construction time and eliminates unnecessary delays.

Specialities in this area include:

- ▶ Design and documentation of fire protection systems
- ▶ Fire safety engineering analysis
- ▶ Peer review of fire safety reports
- ▶ Specialist advice in fire protection

1.2 Implementation

Completing a design and communicating an idea is crucial to the next step, implementation.

The implementation phase is characterised by communication, detailed tender documentation, avoidance of repetition, compliance, efficiency and environmental acceptability. In short, expert project management. Our tenders are transparent and thorough, providing you with an opportunity to compare relative costs in an accurate manner. Technicians and contractors are able to approve outcomes based on clear and detailed documentation.

IFS uses its expertise to manage impairments and reduce fire risk exposure during isolation of essential services. Works are actively inspected by IFS staff during the course of a project to ensure non-compliance is reduced and costly errors eliminated. Our consultation processes ensure that a project is absolutely ready for inspection by certifiers and inspectors upon completion, and that any design changes and variations along the way are well-informed and, if necessary, approved by the relevant authorities. IFS experience in environmental management means all fire services function in an environmentally acceptable manner. The client experiences lower false alarm rates, lower water usage and longer equipment life expectancy.

1.3 Operational Readiness

The life cycle of a building is often decades and essential safety measures are to be maintained to ensure operational readiness.

You will benefit from engaging Integrated Fire services during the operational readiness phase by gaining a greater understanding of the operation and ongoing requirements of their fire services; better decision making and setting of priorities when dealing with the performance of essential safety measures; receiving documents that enable you to complete your obligations without any gaps in the scope, and demonstrate statutory compliance in essential safety measures.

We specialise in operational readiness for fire services providing to owners and managers with:

- ▶ Assessment and auditing of installed systems
- ▶ Fine tuning of water supplies for water efficiency
- ▶ Documentation of key essential safety measures
- ▶ Advice on checking, testing and maintenance

2 Key Areas of Operation

IFS specialises in the following key areas:

- ▶ Fire Protection
- ▶ Fire Safety
- ▶ Water Efficiency

2.1 Fire Protection

Fire protection includes the following systems:

- ▶ Fire sprinklers and other automatic suppression systems
- ▶ Manual suppression systems (hydrants, hose reels and portable extinguishers)
- ▶ Detection and alarm systems
- ▶ Intercommunication and sound systems
- ▶ Other building subsystems that include fire protection (smoke control, fire control)

2.2 Fire Safety

Fire safety includes:

- ▶ Fire safety engineering analysis (fire engineering brief and report)
- ▶ Third party review of fire safety reports
- ▶ Auditing of buildings for fire safety implementation
- ▶ Fire modelling using zone or field computer models
- ▶ Occupant evacuation modelling
- ▶ Building sub-system analysis

2.3 Water Efficiency

IFS now also specialises in water efficiency in fire protection systems. This is a key sustainability aspect to building in today's environment. Our services include:

- ▶ Water use assessment
- ▶ Recommending cost effective solutions
- ▶ Implementing solutions on site
- ▶ Obtaining government or authority funding

3 Qualifications and experience

The experience and capabilities of the IFS team are summarised under the following headings:

1. Background information
2. Specific benefits of engaging IFS
3. Statutory requirements and public interest
4. Risk assessment and management

3.1 Background information

Paul Verheijden is an experienced Engineer specialising in fire consultancy services and fire safety design solutions. Paul founded Integrated Fire Services in November 1993. IFS has since become a leader in the field of fire protection and fire safety. IFS concern for matters pertaining to risk management, OH&S and environmental responsibility has led it to become involved in projects as diverse as assisting with the fire engineering design of the desalination plant, providing a full fire engineered design solution for a large manufacturing facility at Castlemaine and being the lead consultant for the fire sprinkler water efficiency project, in conjunction with the Plumbing Industry Commission.

Today, IFS employs a dedicated team of specialists, and provides appropriate and experienced personnel for the performance of each task involved in the project.

Integrated Fire Services holds the statutory professional indemnity for Building Practitioners registered with the Building Control Commission and industry-accepted public liability cover. Additional coverage, if required, can be organised directly through Paul Verheijden.

All IFS staff attending sites have undertaken construction industry Occupational Health and Safety training and have Construction Induction Cards.

3.2 Specific benefits of engaging IFS

IFS provides benefits for clients for each distinct phase of a project: Design, implementation and operational readiness.

We will also provide appropriate head office support services and supervision for the duration of the project.

IFS work with you to achieve certainty: greater performance measurability, greater awareness of roles and responsibilities, and an engineering task which is performed without delay. Our engineering processes have been developed and refined over 17 years in the field, providing you with a time-efficient and value-for-money service. Our commitment to detail from the beginning to the end of the process will ensure that systems will be operational for the entire life of the building. Our aim is to provide a safe environment for its occupants, and ensure the system's long-term sustainability. Our policy is to employ engineers who are approachable, highly competent and ethical.

For further information refer to the following website: www.integratedfire.com.au

3.3 Statutory requirements and public interest

The fire engineering task shall be provided in accordance with the following:

- ▶ Building Regulations
- ▶ Building Code of Australia (applicable edition)
- ▶ Australian Standards (applicable editions)
- ▶ Engineers Australia Code of Ethics
- ▶ Society of Fire Safety Engineers Code of Practice
- ▶ International Fire Engineering Guidelines

3.4 Risk assessment and management

The engineering task and implementation of the design shall be undertaken in accordance with the following hazard and risk framework:

- ▶ Any alternative solution proposed in the fire engineering brief shall be reviewed by the relevant stakeholders and acceptance shall be provided by them before providing the fire engineering report and the final alternative building design.
- ▶ The engineering task shall review the hazards associated with the design and provide solutions for life safety and property protection as required by the proposed scope of works.
- ▶ The design will be reviewed by the relevant building surveyor for compliance and accepted before a building permit is issued. The building surveyor may also require that the design is reviewed by an independent person (such as a peer review).
- ▶ A body of evidence will be provided with any design that demonstrates compliance with statutory requirements. Sufficient details of the relevant subsystems shall be provided for implementation at construction phase (should this be required and included in the deliverables).
- ▶ Implementation of the design into the building works shall be undertaken by the relevant stakeholder charged with this responsibility (see Appendix B.3). The client may also choose to engage us to verify that fire services and fire safety systems have been satisfactorily implemented.
- ▶ Risks identified in the design shall be managed by parties responsible for the operational readiness of the building and its fire safety and fire protection systems.