

Warren
Smith &
Partners

CONSULTING ENGINEERS

FIRE PROTECTION CAPABILITY STATEMENT

COMPANY STRUCTURE AND EXPERTISE

Warren
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Warren Smith and Partners Pty Limited, Consulting Civil Engineers, Hydraulic and Fire Services Consultants, was incorporated and registered on the 10th August, 1981 and has been involved with over 4,600 projects of all types and scale to date in NSW and throughout Australia.

Our firm provides specialist engineering disciplines and delivers the following services:-

- Due diligence, compliance, condition and investigation reporting
- Budget preparation
- Technical specification
- Design and contract documentation
- Calling of tenders, assessment and recommendation
- Contract administration
- Project management and site supervision
- Inspection, testing, commissioning and certification
- Valuations
- Insurance and litigation reports and expert witness representation

Our key personnel and directors have comprehensive industry experience and knowledge.

Our managers, without exception are all long term employees of the firm. Our key personnel are:

		Years in Industry	Years with WS+P
Mr Warren Smith	Managing Director	45	35
Mr Andreas Heintze	Director and Chief Operating Officer	33	26
Mr Michael Cahalane	Director – Civil & Water Engineering	15	11
Mr Ian Stone	Expertise Leader and Project Manager – Fire	35	29
Mr David Bolt	Project Manager – Fire	22	20
Mr Peter Brawley	Project Manager – Fire	22	21

COMPANY STRUCTURE AND EXPERTISE

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Currently, our firm consists of the following directly employed staff:-



Our engineers are qualified professional engineers and members of the following organisations:-

- Engineers Australia (Civil Division)
- Water and Wastewater Association
- Stormwater Industry Association

It is obvious to major developers, builders and project development/management companies that Warren Smith and Partners provides excellent service, coupled with the dual requirements of designs to satisfy government and other authorities requirements and the client's desire to have well engineered, functioning systems, in the most cost effective timely manner possible.

We act in the best interests of clients, priding ourselves as being one of the most progressive, innovative and commercially orientated consulting practices in Australia. We service both new and repeat clients to ensure a sustainable consulting engineering practice with the highest Industry reputation and standards.

We are constantly striving for excellence and our company objectives reflect our continued pursuit toward this aim.

Our objectives are:-

- To provide excellent cost effective design;
- To provide true professional service to our clients;
- To continually research and develop new design techniques;
- To maintain our position as leaders in our profession.

Our performance since inception has resulted in our continued involvement with leading property developers, institutions, builders, property managers, architects and other services consultants in Australia.

Our willingness to accept full responsibility for our performance, guarantees our clients the best possible results in terms of time, cost and quality.

It is the company's policy to maximise direct employed professional staff to build an in-house resource base with a high level of expertise and depth. This policy allows us to deliver a coordinated controlled outcome generally not available in our Industry through the common practice of sub-consulting.

COMPANY STRUCTURE AND EXPERTISE

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The scope of services that our company can offer in relation to fire services is listed below:

The Warren Smith and Partners Fire Services Team has a long and proud history of providing accurate and cost effective documentation and advice including negotiations with authorities for cost saving dispensations for our clients.

Our practice provides a fully integrated design of fire sprinkler services, emergency warning services, fire alarm and control wiring within our documentation package to ensure that there are no loose ends between fire electrical and mechanical services which provides a major benefit in cost savings to our clients.

All fire sprinkler pipework sizing is hydraulically calculated by our engineers with computer software to ensure fire sprinkler systems will function correctly and in the most efficient way.

The excellent and thorough service we provide is reflected in the number of repeat clients that our practice continues to work very closely with.

Fire Services specialise in:

- Fire sprinkler systems including deluge and dry pipe pre-action systems
- Combined fire sprinkler / hydrant systems for high rise commercial and residential buildings
- Fire hydrant and fire hose reel systems
- Fire detection and alarm systems
- Emergency warning and intercom systems
- Portable fire extinguishers
- Gaseous fire suppression systems
- Special hazards for fire protection including kitchen hood suppression systems
- Special hazards fire sprinkler deluge systems including fire detection and alarm systems in association for fire protection of road and rail tunnels



KEY PROJECTS

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Barangaroo South, International Towers Sydney T1, T2 & T3 (2011 – 2017)

Client:

Lend Lease

Project Base Building Value:

\$1.8b

Contact:

Mr Paul Elkington
(02) 9236 6111

Scope of Works:

- Combined fire sprinkler and hydrant system engineered for each building, extending from the WS+P designed precinct wide infrastructure. Each commercial floor is approximately 2400m² with 2900mm high ceiling, which added to challenge for in-ceiling services coordination.
- Fire hose reel service connected to the potable cold water systems within each building.
- Networked fire detection and alarm system, sound system and intercom system for emergency purposes, including precinct infrastructure.
- Tenancy fitouts:-
 - T1 - PwC, HSBC, Marsh McLennan and Servcorp
 - T2 - Westpac
 - T3 - Lend Lease and KPMG.



Barangaroo South, C2 International House (2013 – 2017)

Client:

Lend Lease

Project Base Building Value:

\$200m

Contact:

Mr Jeremy Thompson
(02) 9236 6111

Scope of Works:

- Combined fire sprinkler and hydrant system extending from the precinct infrastructure for this impressive prefabricated compressed laminated timber (CLT) building.
- Fire hose reel service connected to the potable cold water system.
- Networked fire detection and alarm system and building occupant warning systems throughout.



126 Phillip Street, Sydney (2002 - 2005)

Client:

Lend Lease

Project Base Building Value:

\$198.7m

Contact:

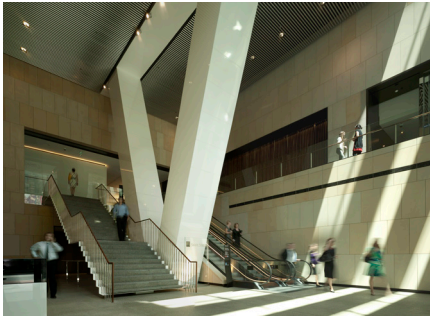
Mr Con Giannoulis
(02) 9236 6111

Scope of Works:

- Combined fire sprinkler / hydrant & hose reel system to this impressive fire engineered commercial building with “column less” floor plates and atrium extending the height of the building.
- Fire detection & alarm system.
- Emergency warning & intercommunication system (EWIS).
- Major tenant fitouts for Deutsche Bank and Ebsworth & Ebsworth.



KEY PROJECTS



420 George Street, Sydney (2010 – 2016)

Client:

Lend Lease

Project Base Building Value:

\$280m

Contact:

Mr Drew Bennett
(02) 9236 6111

Mr Paul Elkington
(02) 9236 6111

Scope of Works:

- 4 pressure zone combined fire sprinkler and hydrant system for the high-rise tower located within premium CBD.
- Fire hose reel service connected to the potable cold water system.
- Networked fire detection & alarm system and sound system and intercom system for emergency purposes were designed to allow for extensive tenancy modifications without the need to upgrade the base building fire electrics infrastructure.
- Major tenancy fitouts.



Bankstown Library (2010 – 2014)

Client:

FJMT

Project Value:

\$20m

Contact:

Mr Simon Barr
(02) 9251 7077

Scope of Works:

- Fire sprinkler system throughout to many challenging complex ceilings of this unique award-winning building.
- Fire detection and alarm system, including building occupant warning system. Multi-aspirated smoke detection to high-level ceilings.



National Portrait Gallery, Canberra (2006 – 2010)

Client:

Johnson Pilton Walker

Project Value:

\$84m

Contact:

Mr Richard Johnson
(02) 9259 5900

Scope of Works:

- Fire sprinkler system to one of the most significant building to be constructed in the parliamentary triangle for the last 20 years.
- Fire hydrant system.
- Fire hose reel service connected to the potable cold water system.
- Fire detection and alarm system, including building occupant warning system.
- Aspirated smoke detection and pre-action fire sprinkler systems within sensitive back of house art storage areas.

KEY PROJECTS

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*IMAGE CREDIT BELOW

Sydney Opera House (1999 – Present)

Client:
Sydney Opera House

Contact:
Mr Paul Shumack
(02) 9250 7361

Scope of Works:

- Fire sprinkler system significant upgrades to a multitude continual of new and refurbished areas of this UNESCO heritage listed building.
- Fire hydrant system and hose reel system upgrade.
- Gas suppression systems to computer server rooms and organ loft.



Nanoscience Hub University of Sydney (2012 – 2015)

Client:
Lend Lease

Project Value:
\$150m

Contact:
Ms Cherylene Teoh
(02) 9236 6111

Scope of Works:

- Fire sprinkler system throughout, including pre-action sprinkler system to the clean room. Several rooms are provided full shielding from EMI which required non-ferrous fire services materials.
- Fire hydrant and hose reel systems.
- Fire detection and alarm system networked to the campus system.
- Sound system and intercom system for emergency purposes.



Royal North Shore Clinical Services Building (2011 – 2014)

Client:
Multiplex

Project Value:
\$144m

Contact:
Mr Brendan Sweeny
(02) 9322 2400

Scope of Works:

- Combined fire sprinkler and hydrant system throughout the facility, which is part of the greater hospital's redevelopment.
- Fire hose reel service connected to the potable cold water system.
- Fire detection and alarm system networked with the site system.
- Sound system and intercom system for emergency purposes networked with the site system.

KEY PROJECTS



Rouse Hill Town Centre (2005 – 2007)

Client:

Lend Lease

Project Value:

\$300m

Contact:

Mr Andrew Boutchard
(02) 9236 6111

Scope of Works:

- Fire sprinkler system(s) to 73,000m² of retail, including major stores, specialty stores, cinema and community buildings.
- Fire detection and alarm systems networked with the site system.
- Building occupant warning systems throughout.



SICEPP Hotel, Darling Harbour Live (2012 – 2017)

Client:

Lend Lease

Project Value:

\$250m

Contact:

Ms Madeleine Macdessi
(02) 9236 6111

Scope of Works:

- Combined fire sprinkler and hydrant system to the five (5) star hotel located in the Darling Harbour Live precinct.
- Fire hose reel service connected to the potable cold water system.
- Fire detection and alarm system.
- Sound system and intercom system for emergency purposes.

St George Hospital Upgrade (2014 – ongoing)

Client:

Multiplex

Contact:

Andrew Scargall

Scope of Works:

- Fire sprinkler system.
- Fire detection and alarm system.
- Sound system and intercom system for emergency purposes.

Project is largely constructed above an operational emergency department which required consideration during design.

Warren Smith & Partners

CONSULTING ENGINEERS

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