

GASEOUS FIRE SUPPRESSION

Get it Right Seminar



GASEOUS FIRE SUPPRESSION SEMINAR

WHAT IS IT? This specialised seminar will cover the core requirements to successfully design, install, commission, test and maintain gaseous fire suppression systems.

WHO IS IT FOR? The seminar is for personnel involved in the fire protection industry who require knowledge of gaseous fire suppression systems to allow them to design, install or test and maintain these systems.

WHAT WILL IT COVER? The seminar aims to provide participants with a solid foundational knowledge of gaseous fire suppression systems and will cover topics such as:

- › **Introduction to gaseous fire suppression systems**
 - History - Halon
 - Clean agents
 - Carbon dioxide
- › **Principles of fire extinguishment**
- › **Basics of codes and standards**
 - Building Code
 - Health and Safety at Work (Hazardous Substances) Regulations
 - AS 4214 / ISO 14520 / NFPA 2001
- › **Simple design fundamentals**
 - Hazard analysis
 - Determining design concentration
 - Health and safety
- › **Installation fundamentals**
 - Cylinders and cylinder handling
 - Distribution system including pipework supports
 - Pressure relief venting
- › **Detection and control systems**
 - Basic design requirements
 - Detector selection
 - Interfacing with other systems
- › **System commissioning**
 - Room integrity testing
- › **System testing and maintenance**
 - Requirements – AS 1851
 - Cylinder handling Mk2
 - Isolating systems

AUCKLAND: 22 MAY 2023

RNZ YACHT SQUADRON

8.00am – 4.20pm

WELLINGTON: 23 MAY 2023

SKY STADIUM

8.00am – 4.20pm

CHRISTCHURCH: 24 MAY 2023

NOVOTEL CHRISTCHURCH AIRPORT

8.00am – 4.20pm

WHO SHOULD ATTEND

This Seminar will be ideally suited toward:

Architects/
Architectural Designers

Fire Engineers

Structural Engineers

IQP's

Council Building Control Officers/
Inspectors

Main Contractors/ Builders

Services Trades

Passive Fire Specialists

Manufacturers and
Distributors

INVESTMENT:

- MEMBERS (single) \$350 each* +GST
- MEMBERS (multiple) \$300 each* +GST
- NON-MEMBERS \$550 each +GST

**Available to FPANZ Financial Members who are fully paid-up.*

Catering is provided for this full day seminar consisting of morning/afternoon tea & lunch.

PRESENTED BY: Phil Lacey, Chris Mak & David Sharp

SEMINAR CONTENT

The workshop will be presented in a series of parts covering the following timing and topics:

From 8.00am	Registrations (tea and coffee)
8:30am	Kick-off session
10:15am	Morning tea
10:30am	Second session
12:15pm	Lunch
1:00pm	Third session
2:45pm	Afternoon tea
3.00pm	Final session
4:00pm	General Q&A comments
4.20pm	Closing remarks, evaluation

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PRESENTERS

PHIL LACEY

Phil's 34-year fire protection career has involved all aspects of industrial fire protection, for clients of all types and sizes, providing him with knowledge of the regulatory requirements and the specialised fire protection systems needed to address unique and challenging industrial risks. He has a comprehensive understanding of the fire protection project lifecycle, from concept through to certification, with skills in detailed system design, installation, commissioning, and ongoing testing and maintenance requirements. Having worked on numerous high profile industrial sites, throughout New Zealand, Australia, and the Pacific, he has accumulated considerable knowledge on the complete suite of Special Hazard / Industrial Fire Protection solutions.

GASEOUS FIRE SUPPRESSION SKILLS:

- Experience in system design, installation, commissioning, testing and maintenance of over 200 systems.
- Multiple types of clean agent systems:
 - Inert agents and chemical agents
 - Inergen® (IG-541) and ProInert® (IG55)
 - FM200® (HFC227ea) and Novec™ (FK-5-1-12)
 - Carbon dioxide (CO2)
 - Marine systems
 - Local application and total flooding systems
- Experience in advising on enclosure integrity requirements; including room integrity testing and system discharge testing

CHRIS MAK BE FEngNZ, CPEng, PM.SFPE, CPEng, IntPE(NZ), RPE

Chris has over 35 years' experience in the fire protection industry in engineering and management positions. He currently manages Aon's Fire Protection business unit, which certifies and inspects fire protection installations.

Previously, he was the engineering manager for the NZ branch of a major global Fire Protection Contracting and Servicing company.

DAVID SHARP

David has recently retired from the position of ANZ Manager, Technical Services and Training for Johnson Controls Fire Detection after 50 years in the fire protection industry. His experience includes research and development of fire detection products, engineering of fire protection systems in specialist applications, and standards development in both New Zealand and Australia.

Over his lengthy career, David has always been passionate about "getting it right", giving high priority to maintaining his own level of expertise and training and developing others. His qualifications include NZCE and a Postgraduate Certificate in Electronics and ICT. He is a Chartered Member of Engineering New Zealand and is a Chartered Professional Engineer.

REGISTRATION FORM

– Gaseous Fire Suppression Seminar

VENUE OPTIONS

DATE & TIME	VENUE	No. of Attendees
22 May 2023 8.00am – 4.20pm	Royal New Zealand Yacht Squadron 181 Westhaven Drive, AUCKLAND	
23 May 2023 8.00am – 4.20pm	Sky Stadium 105 Waterloo Quay, Pipitea, WELLINGTON	
24 May 2023 8.00am – 4.20pm	Novotel Christchurch Airport 30 Durey Road, Christchurch Airport, CHRISTCHURCH	

NO. OF ATTENDEES	MEMBER (single) PRICE	MEMBER (multiple) PRICE	NON-FPA MEMBERS PRICE	TOTAL
	\$350	\$300	\$550	
			SUBTOTAL	
			GST (15%)	
			TOTAL	

NOTE:

- Lunch and refreshments are provided. Please let us know if any attendees have food allergies.
- All prices are per person and exclude GST.
- The Multiple Member discount applies to registrations of 2 or more attendees from the same FPANZ Member company.
- All attendees receive an FPA CPD certificate continuing their industry training.

TO REGISTER:

Complete this form and email to: info@fpanz.org

CONTACT PERSON	
COMPANY	
POSTAL ADDRESS	
PHONE	
EMAIL	

ATTENDEE NAME	MOBILE PHONE No.	WORKSHOP LOCATION	DIETARY REQUIREMENTS (if applicable)

PLEASE NOTE:

These workshops have limited seating. Payment is required with registration prior to the workshop in order to secure a place.

- A receipt will be issued on payment of registration. This will be your confirmation of attendance to the seminars.
- FPANZ reserves the right to change venue or cancel seminars due to insufficient demand. Should this occur, all registration fees will be refunded and necessary parties contacted to advise change.
- FPANZ requires 14 days' notice of cancellation in writing. A 40% cancellation charge will apply.

No refund is offered on or after the seminar dates due to un-notified non-attendance. If for some reason you are unable to attend, you may send a substitute in your place.

PAYMENT METHOD:

Payments may be made online or by credit card (Visa and Mastercard only).

Please tick the payment method

- Online:** Fire Protection Association
New Zealand Inc.
- Bank: Bank of New Zealand
Account No: 02-1244-0159151-000
Particulars: GIR FPANZ (*please quote with payment*)

- Credit Card Payment:**
We will contact you on your phone number supplied to arrange credit card payment.
A 2.7% credit card fee applies for all credit card transactions.



Fire Protection Association New Zealand
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