

1-DAY COURSE

# HVAC and Smoke Control - requirements for SS5, SS9, SS11 and SS13

Ventilation plays a major role in building life safety, from providing safe air from the outside to extracting polluted air from inside the building. It can play a vital part in fire safety design also.

This workshop will look at the various types of ventilation systems that are included under the Specified Systems. It will break down the many requirements and hone in on the requirements for inspecting them. The workshop will cover the following topics:

1. Building Act and Building Code relating mechanical ventilation
2. NZBC G4 Ventilation requirements and compliance
3. Basis HVAC design criteria
4. Smoke Control Systems
5. Fire Dampers
6. Stairwell Pressurisation
7. Fume Cupboards
8. HVAC Interface with fire safety features

*The course includes a post course assessment. On completion of the assessment, you will be awarded a Certificate of completion and 8 hours of CPD*

## OUR PRESENTER

### Prashant Patel

Prashant arrived in New Zealand over 20 years ago (2003) from Mumbai, India as a Mechanical Engineer. Having completed various trainings on Mechanical, Smoke Control, Passive Fire, Electrical and Plumbing sectors.

Since arriving in NZ, Prashant's experience includes working as a Council, Contractor and Consultant with employers such as Auckland Council, Auckland DHB, CoveKinloch, SGS, Argest, Apex Air and RCR as Mechanical/Building Technical Consultant.

Currently the owner and director of Building & Engineering Services Limited serving Auckland and Waikato regions for engineering and consulting services for Mechanical, Smoke Control and Fire Safety related services.

Prashant is a current member of Engineering NZ, SFPE, IRHACE, International Association of Engineers and also a council approved IQP and PS author for various specified systems for different councils.



**Date:** Wednesday 15 November 2023

**Time:** 8.30am to 4.30pm

**Venue:** Online via Teams

**Cost:** ABC Members: \$625 + GST  
Non-Members \$750 + GST

**ABC TECH OFFERS A 1-DAY COURSE, HVAC and Smoke Control - requirements for SS5, SS9, SS11 and SS13, to build your knowledge and improve your skills and understanding of various airflow systems from air-conditioning to smoke control to fume mitigation.**

## LEARNING OUTCOMES:

**On completion of this course, attendees will be able to:**

- Knowledge of ventilation legislative requirements and compliance
- Understanding of the maintenance, testing and inspection requirements for HVAC systems and smoke control systems
- Understanding of the requirements for HVAC ducting through fire and smoke separations fire
- Knowledge of the interfacing of these systems with the fire alarm systems

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Non-Members \$750 + GST**COURSE ATTENDEE DETAILS:**

COURSE ATTENDEE 1:	
COURSE ATTENDEE 2:	
COURSE ATTENDEE 3:	
COURSE ATTENDEE 4:	
COURSE ATTENDEE 5:	
COURSE ATTENDEE 6:	
Company:	
Address:	
	Phone:

**PAYMENT DETAILS:**

Email address for INVOICE/RECEIPT:

I wish to pay by:  INVOICE CREDIT CARD via INVOICE**DIETARY REQUIREMENTS:**


## PLEASE NOTE THE FOLLOWING:

1. The member price is for fully paid up ABC members only and/or their staff, and includes Affiliate, Associate and Corporate membership.
2. An invoice will be sent to the designated email address on the registration and must be paid within 7 (seven) days of receiving the invoice to secure your place.
3. Cancellation: Registrations cancelled 14 days prior to the workshop date will receive a full refund if paid. After 14 days a 20% administration fee will apply. There will be no refund if cancelled 7 days prior to the workshop date.
4. Invoice is confirmation of registration.
5. Should the workshop be cancelled for any reason, ABC will refund in full all paid registrations.
6. CPD certificates will be issued on completion of the workshop