

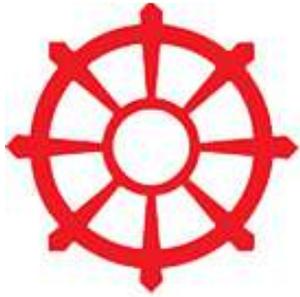


5WAYS

ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

BCA Registered
ME06 L4





5WAYS

ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

Our History

- ❖ Established since year 2001, 5 Ways Engineering Services Pte Ltd has grown from strength to strength each year due to our staff diligence and the sound management system in place.
- ❖ Over the years, we have served over 100 clients and handled more than 100 projects.
- ❖ Now, with increased revenue, our company boasts a wider range of services and expertise that we can offer to our clients.



5WAYS

ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

Some of Our Esteemed Clients



CLAYPOT HOUSE
SINCE 2008

SWISSBAKE



SONG FA
bak kut teh
SINCE 1969

Foodfare



YUMMY VEGGIE

INTERNATIONAL BUFFET • STEAMBOAT RESTAURANT
可口素食国际自助餐 • 火锅餐馆

recall™

Your Information. Securely Managed.



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ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

Our Services

Our services include:

- ❖ In depth analysis of systems & consultation of fire safety measures for project, office, factory, retail outlets, etc.
- ❖ Installation of fire protection system
 - ✓ Sprinkler System
 - ✓ Fire Alarm System
 - ✓ Heat/Smoke Detectors
 - ✓ Call Point, Alarm Bell & Strobe Light
 - ✓ Hose Reel System
 - ✓ Fire Hydrants/Fire Extinguishers
 - ✓ Dry Riser System
 - ✓ FM200 / NN100 / NOVEC1230 (Clean Agent Gas Fire Suppression System) (Use for Server Rooms)
 - ✓ Kitchen Suppression System
- ❖ Servicing of Fire Extinguishers



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ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

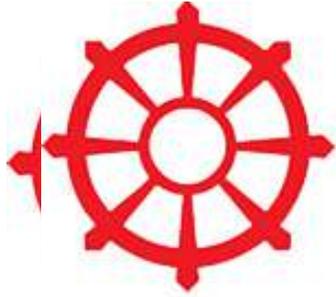
- ✓ ESFR for Racking System & NFPA 13
- ✓ VESDA System
- ✓ Pre-action System
- ❖ Design & Build for Fire Protection Project

- ❖ Submission of drawings to Singapore Civil Defence Force (SCDF), Jurong Town Council (JTC) and Housing and Development Board (HDB), Urban Redevelopment Authority (URA), Building and Construction Authority (BCA).
- ✓ Professional Engineer Endorsement for hacking of walls
- ✓ ACMV Endorsement and heat load calculation
- ✓ Registered Inspector Services



On Going Projects

- ➔ Irewell Hill Residence Project
- ➔ DHL Greenwich Drive
- ➔ The Reef at King 's Dock



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ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

Past Minor A&A Works

❖ Offices/Light Industrial Factories

- ➔ Bizlink Centre
- ➔ Changi Business Park
- ➔ HDB Bukit Merah and Toa Payoh Hub
- ➔ Republic Plaza
- ➔ Millenia Walk
- ➔ Toh Guan Centre
- ➔ TradeHub 21
- ➔ Ubi Techpark
- ➔ Wcega Plaza
- ➔ Pacific Tech Centre
- ➔ Teletech Park
- ➔ Gordon Warehouse
- ➔ UE Biz Hub
- ➔ Frontier
- ➔ Creative Building
- ➔ Eunos Techpark
- ➔ Shun Li Industrial Park
- ➔ Keppel Distripark & etc



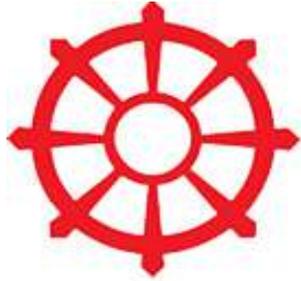
5WAYS

ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

Past Minor A&A Works

❖ Retail Outlets at

- ➔ Jurong Point Shopping Centre
- ➔ Choa Chu Kang Lot 1
- ➔ Marina Square
- ➔ Parkway Parade
- ➔ Plaza Singapura
- ➔ Suntec City
- ➔ United Square
- ➔ Tampines Mall
- ➔ Raffles City Shopping Centre
- ➔ Tampines One
- ➔ Hougang Mall
- ➔ Century Square
- ➔ 111 Somerset
- ➔ Bugis Junction
- ➔ Junction 8
- ➔ Novena Square
- ➔ Iluma
- ➔ Marina Bay Link Mall
- ➔ JEM & etc

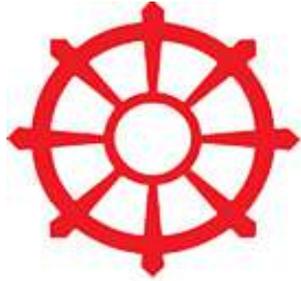


5WAYS

ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

Past Projects

- ➔ Upgrading of Fire Alarm for RSP Building
- ➔ Upgrading of Fire Protection System for The Face Shop Building
- ➔ KK Hospital Project
- ➔ Barkers Road Project
- ➔ Grand Plaza Hotel Project
- ➔ CISCO Recall Centre at 28 Quality Road
- ➔ Upgrading of Paramount Hotel (now Katong V Hotel)
- ➔ Hougang N3C12 HDB Project
- ➔ Ngee Ann Polytechnic (Blk 34,37,47 & 50)
- ➔ Tuas Project (Fire Hydrant, New Water piping)
- ➔ Trent Engine Overhaul CPX @ Calshot Road

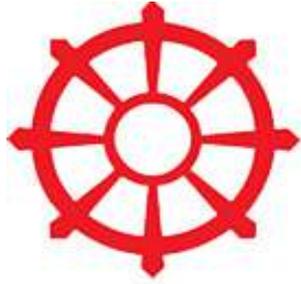


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ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

Past Projects

- Block 2 Paya Lebar Airbase
- FLO Residence @ Punggol Field Walk
- Warehouse at 18 Tractor Road
- NTUC Foodfare HQ at 10 Senoko Way
- Mosque at Woodlands Drive 17
- Singapore Management University
- 6-Storey Industrial Building (ASAHI) @ 47 Pandan Road
- Wisma Geylang Serai Community Club
- New Tunnel At Jurong Island Highway For EM Pipelines
- Upgrading Fire Protection System At AMOS International (S) Pte Ltd
- New Erection of 28 Units of Multiple-User 3-Storey Terrace Factory At Jalan Lam Huat

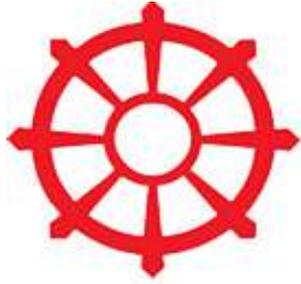


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ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

Past Projects (2021-2022)

- ➔ Amber Condo
- ➔ Jewel Changi Airport Basement
- ➔ 12 Storey Condo at Balmoral Road
- ➔ Kajima Gear Project
- ➔ 7 Bulim Warehouse
- ➔ 21 Jalan Buroh Warehouse



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ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

Servicing & Maintenance Projects

- ➔ Amos International (S) Pte Ltd
- ➔ KPP Packaging Pte Ltd
- ➔ Singapore Asahi Chemical & Solder Industries Pte Ltd
- ➔ Epson Singapore Pte Ltd
- ➔ NTUC FOOD FARE Co-Operative Ltd



Service Options That Suit Your Needs

As the premier provider of fire protection solutions in Singapore, 5 Ways Engineering Services Pte Ltd provides each and every customer with comprehensive solutions through outstanding design, efficient installation, reliable service and repair and experienced inspection expertise. With technical proficiency and experience, professionals at 5 Ways Engineering Services Pte Ltd design, integrate, implement and service fire protection solutions within budget and on your schedule. Your satisfaction is guaranteed.

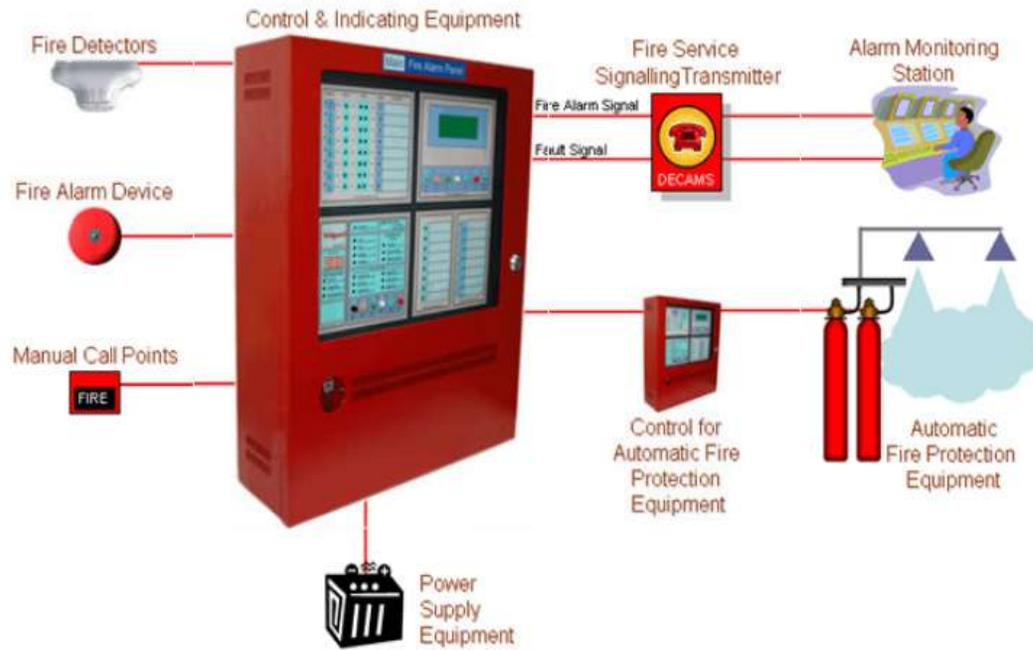
Fire Alarm System

Conventional Fire Alarm Panel



Fire Alarm System

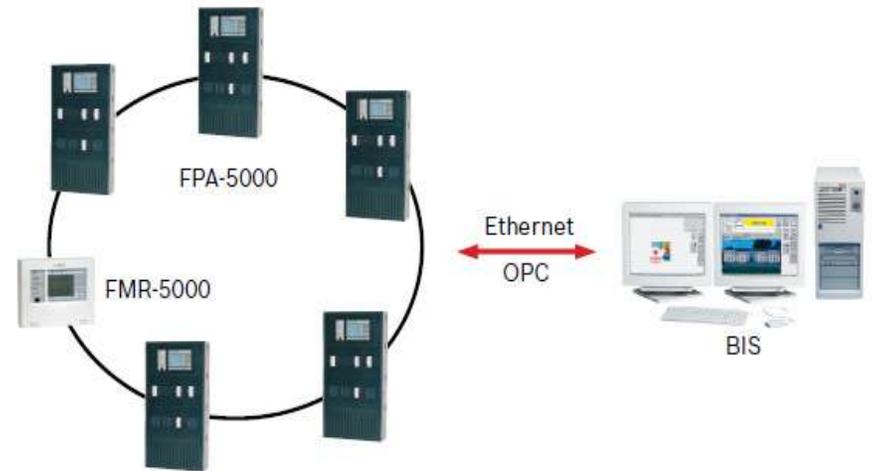
Conventional Fire Alarm System



Fire Alarm System

Addressable Fire Alarm System

BOSCH
FPA - 5000

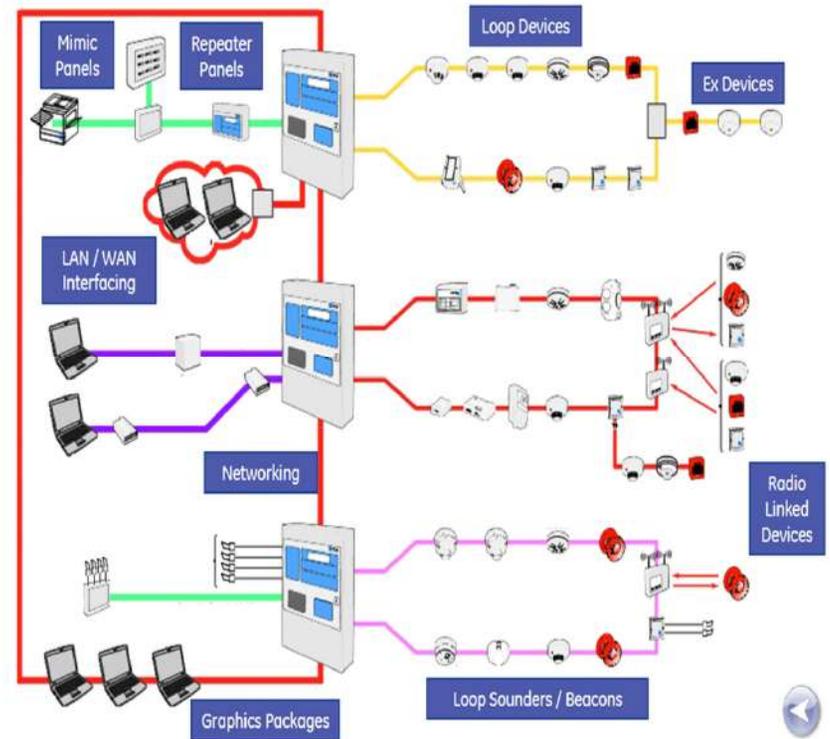


Fire Alarm System

ZP3 Analogue addressable system



ZP3 Analogue system



Fire Alarm System

TX7 Series Intelligent Addressable Fire Alarm System



Fire Alarm System

Smoke Detector



Heat Detector

Model: DFD-505 Waterproof Heat Detector



Copyright © 2008 Fire Alarm Systems, LLC

Fire Alarm System

Alarm Bell



Manual Call Point



Strobe Light



Sprinkler System

Sprinkler Head Types

Pendent Sprinkler (Concealed)

CONVENTIONAL



UPRIGHT



PENDENT



HORIZONTAL
SIDEWALL



VERTICAL
SIDEWALL



RECESSED
PENDENT



RECESSED
PENDENT



CONCEALED
HORIZONTAL
SIDEWALL



CONCEALED
PENDENT



© Can Stock Photo - csp4969005

Sprinkler System

ESFR Sprinkler (NFPA 13)



**Sprinkler System
Control Valves**



Sprinkler Pump System

Sprinkler Pump (Electrical)



Diesel Engine Pump



Breeching Inlets System

2 Ways Breeching Inlet



4 Ways Breeching Inlet



Breeching Inlets System

2-Way/4-Way Breeching Inlet Cabinet



Fire Hosereel System

Hosereel



Hosereel c/w Cabinet



Dry Riser System

Landing Valve



Landing Valve & Standby Hose



Dry Riser System

Landing Valve



Standby Hose



Standby Hose Cabinet



Wet Riser System

Wet Riser Landing Valve Types



Wet Riser Landing Valve



Fire Extinguisher System

Portable Fire Extinguishers

Dry Powder Fire Extinguisher



Water Mist Fire Extinguisher



CO2 Fire Extinguisher



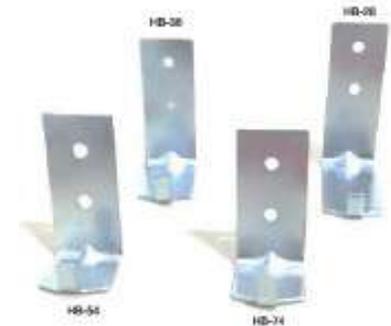
Fire Extinguisher Cabinet



Vehicle Bracket



Fire Extinguisher Cabinet



Hook Bracket

Fire Hydrant System

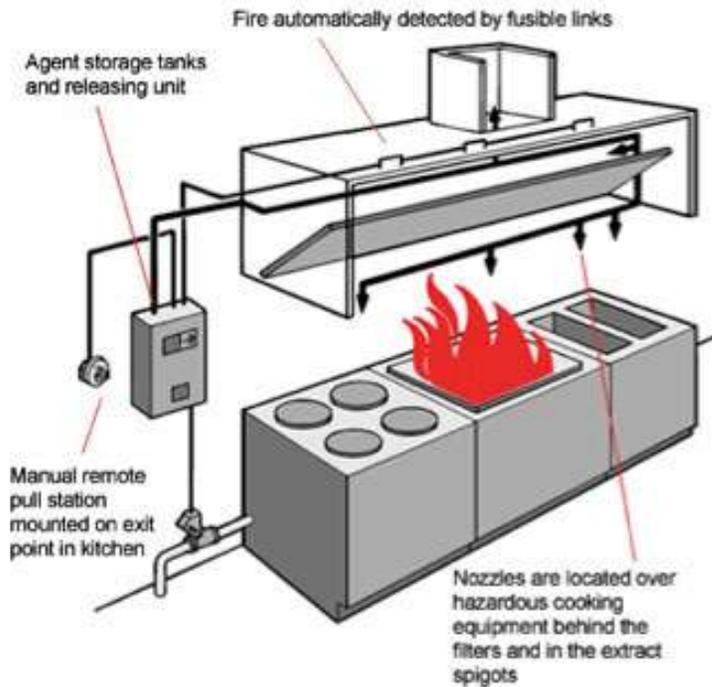
Fire hydrant is an active fire protection measure, and a source of water provided in most urban, suburban and rural areas with municipal water service to enable firefighters to tap into the municipal water supply to assist in extinguishing a fire.

Buildings near a hydrant may qualify for an insurance discount since firefighters should be able to more rapidly extinguish a fire on the insured property.



Kitchen Suppression System

How does it work?

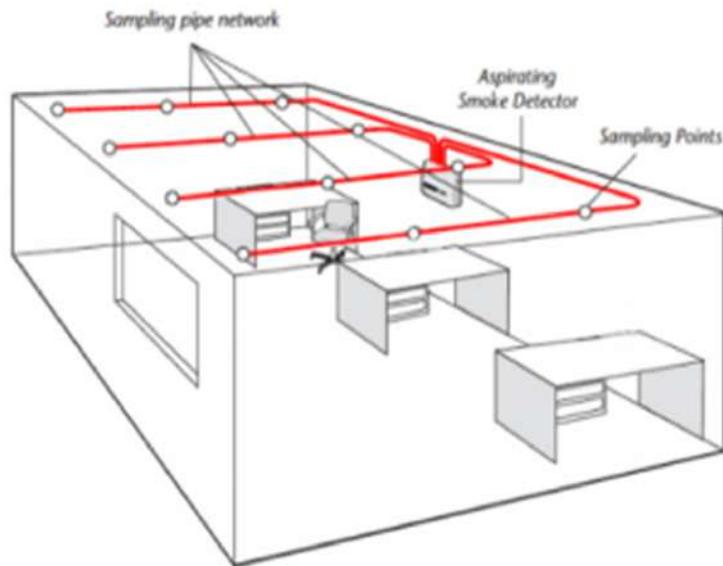


Installation



VESDA System

How does it work?



Catalogue

VESDA-E VEP

VEP-A00-1P

VEP-A00-P



Kitchen Suppression System

Installation



Agent Gas



FM-200 System

FM-200 Nozzle



FM-200 Gas



NN-100 Gas Fire Suppression System

Gas Cylinder

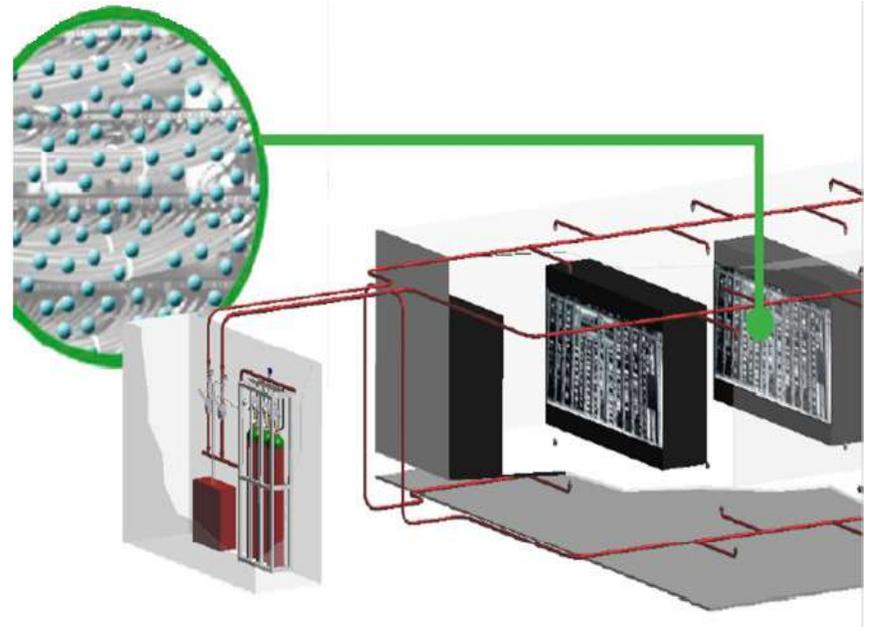
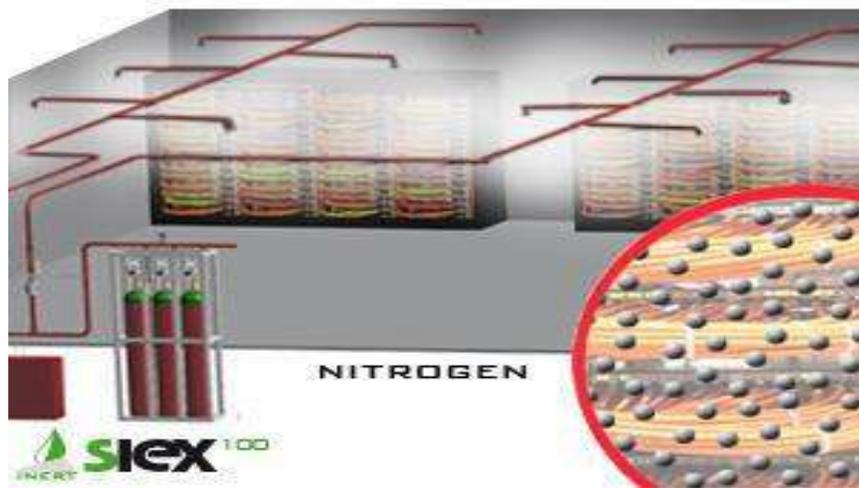


Fire Extinguishing Control Panel

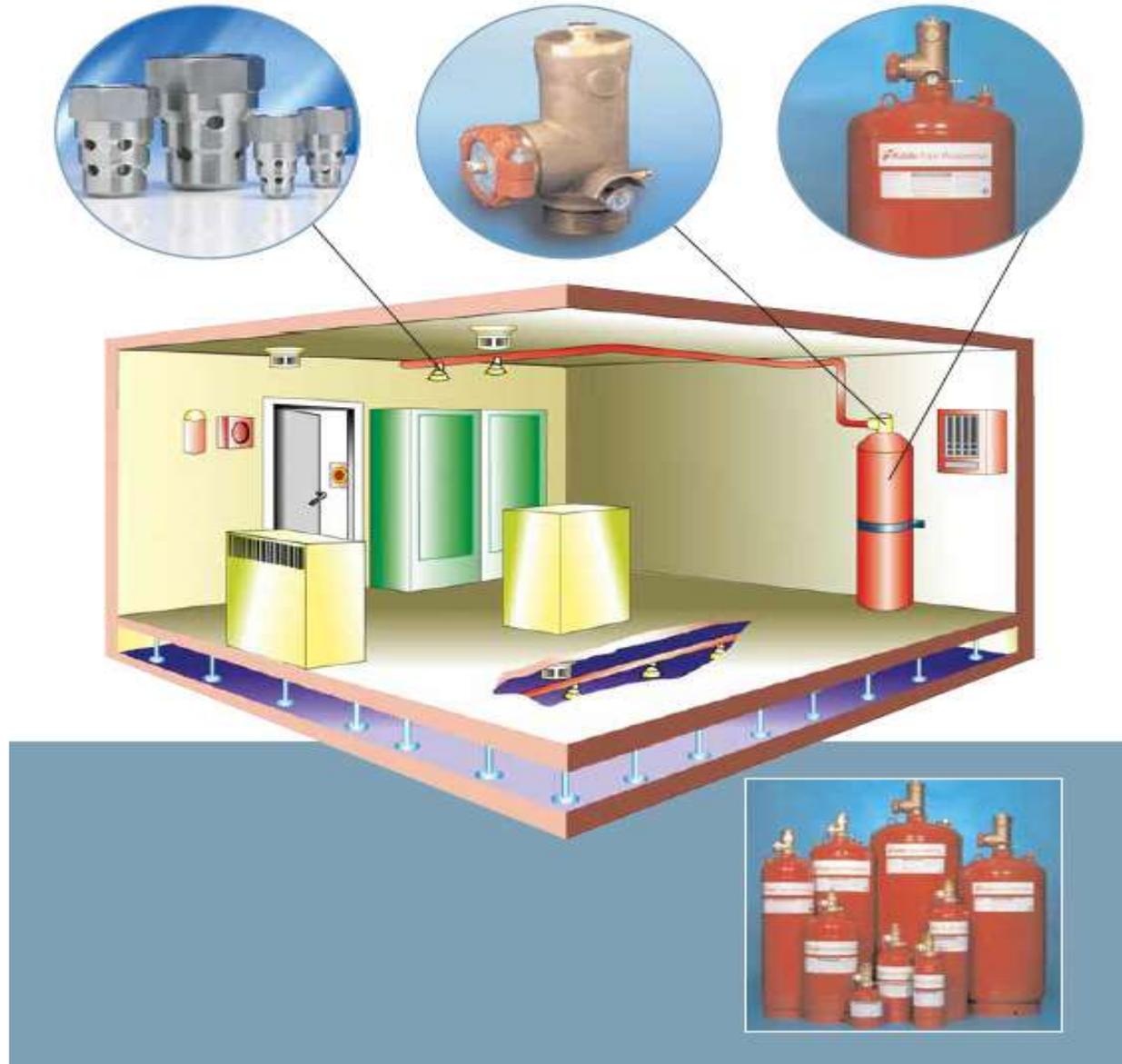


Clean Agent Gas Fire Suppression System

Installation



Novec 1230 Gas Suppression System



Ng Hai Siong Derrick

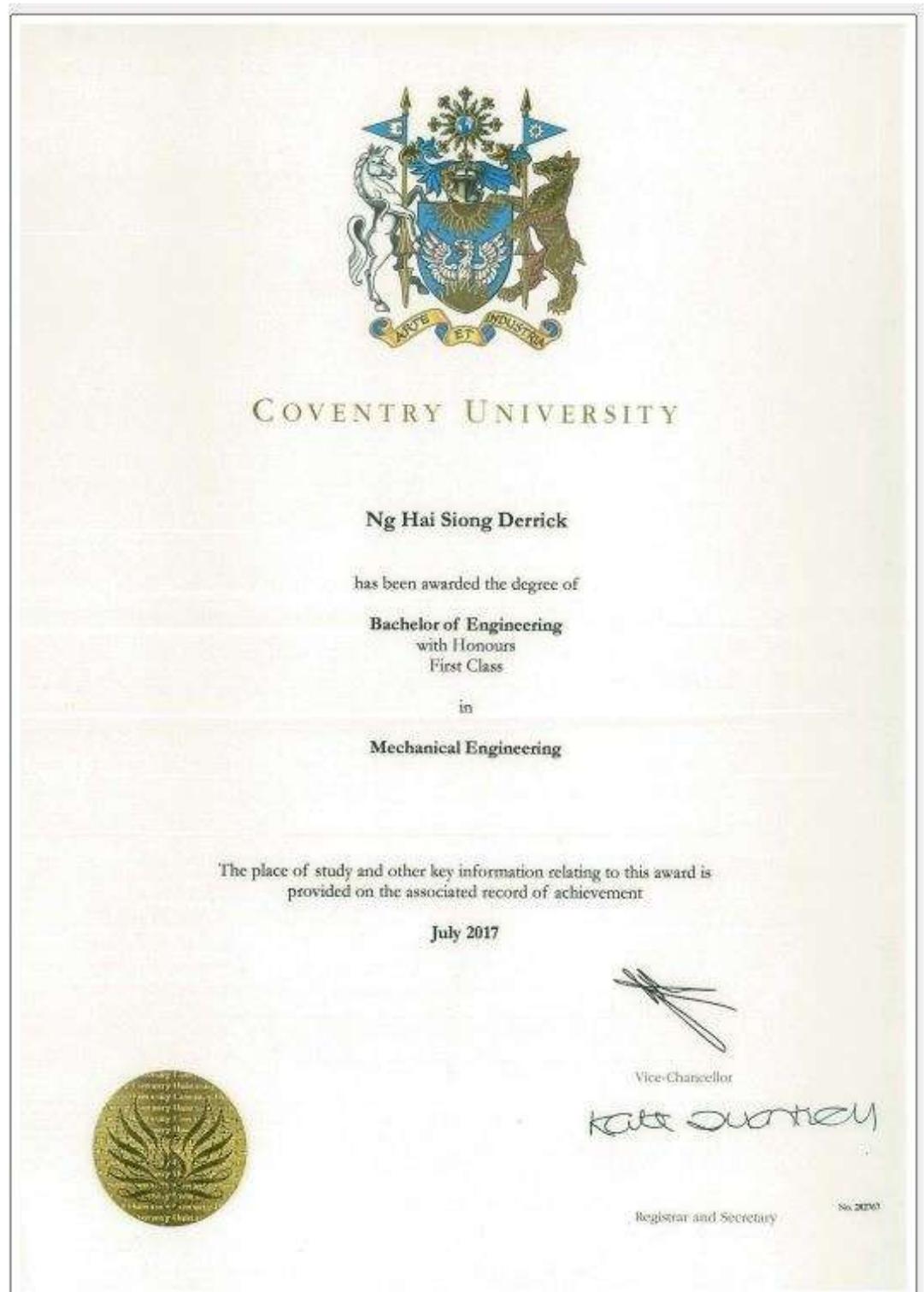
**Bachelor of Engineering
with Honours
First Class**

in

Mechanical Engineering

**Managing Director
of**

5 Ways Engineering Services Pte Ltd



Ng Hai Siong Derrick

**Specialist Diploma in
M & E Co-ordination**

**Managing Director
of
5 Ways Engineering Services
Pte Ltd**

Building and Construction Authority



We shape a **safe**, **high quality**, **sustainable** and **friendly** built environment.

It is hereby certified that

Ng Hai Siong Derrick

having satisfied the requirements of the course of study was awarded the

**Specialist Diploma
in
M & E Co-ordination**

A handwritten signature in black ink, appearing to read 'John Lee', is written over the name of the Chief Executive Officer.

CHIEF EXECUTIVE OFFICER

Building and Construction Authority



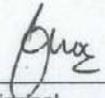
A handwritten signature in black ink, appearing to read 'J. Lee', is written over the name of the Director.

DIRECTOR

School of Building & Development
BCA Academy

Certificate No. SDME/14/44
14 November 2014

Certificates of
Ng Hai Siong Derrick,
Managing Director
of
5 Ways Engineering Services Pte Ltd
(Fire Safety Manager)

 SINGAPORE CIVIL DEFENCE FORCE	Serial No.: <u>B21/058</u>
 NGEE ANN POLYTECHNIC	
<i>Certificate in Fire Safety Managers' Course</i>	
this is to certify that	
NG HAI SIONG DERRICK	
has completed the required course of study and passed the examination required for the Certificate in Fire Safety Managers' Course jointly conducted by the Singapore Civil Defence Force and Ngee Ann Polytechnic	
from <u>20 OCTOBER 1998</u> to <u>7 JANUARY 1999</u>	
 _____ Commissioner Singapore Civil Defence Force	 _____ Principal Ngee Ann Polytechnic
<u>24 FEBRUARY 1999</u> Date	

Certificates of
Ng Hai Siong Derrick,
Managing Director
of
5 Ways Engineering Services
Pte Ltd
(Fire Extinguishing Services
& Maintenance Course
Certificate)

Serial No : 0367



FIRE EXTINGUISHER SERVICE
& MAINTENANCE COURSE

This is to certify that

Ng Hai Siong Derrick
has successfully completed
and passed the prescribed examination (s)
for the stated course

from 18 MAY 2004 to 20 MAY 2004

20 MAY 2004
DATE


COL R PUNIAMOORTHY
DIRECTOR CDA



This is to certify that

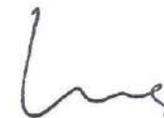
Ng Hai Siong Derrick

has attended the

*Course on Basic Concept in Construction Productivity
Enhancement (BCCPE)*

on

18 March 2013



Authorised Signature

Certificates of
Ng Hai Siong Derrick,

Managing Director
of
5 Ways Engineering Services Pte Ltd

(BCCPE)

Certificates of 5 Ways Engineering Services Pte Ltd

(BCA L1)

Workhead	Description	Application Type	Existing Grade	Applied Grade	Approved Grade
ME06	Fire Prevention & Protection Systems	Renewal Application	L2	L1	L1

**Certificates of 5 Ways
Engineering Services
Pte Ltd
(Passed 2022)

(BCA L4)**

Building and Construction Authority

**REGISTRY OF CONTRACTORS
CERTIFICATE OF REGISTRATION**

Registration No. : 201117735N Certificate No. : -
Date of Expiry : 01-Jan-2022
5 WAYS ENGINEERING SERVICES PTE. LTD. Page : 1 of 1

Workhead Ref.	Workhead Description	Grade
ME06	Fire Prevention & Protection Systems	L4

Please refer to Contractors Registration System (CRS) website for the Tendering Limits


Authorized Signature

11-Mar-2019
Date of Issue

Date of issue: 05/06/2018



**Certificates of
5 Ways Engineering Services
Pte Ltd**

(Biz Safe Level 3)

The Workplace Safety and Health Council
is pleased to certify that

5 WAYS ENGINEERING SERVICES PTE. LTD.

has fulfilled the requirements to attain bizSAFE Level 3

This certificate will expire on 04/06/2021

A handwritten signature in black ink that reads 'Winston Yew'.

Winston Yew

Deputy Director, Industry Development
Workplace Safety and Health Council



Certificate No. E10314

Project Reference

Face Shop at Kallang



KK Women Hospital



Project Reference

**RSP Consultant Office
(Thong Teck Building)**



**Wisma Geylang Serai
Community Hub**



Project Reference

East Village Hotel
**(Fire Sprinkler, Breeching Inlet, Hosereel,
Dry Riser, NN-100 System)**



28 Quality Road (Cisco Warehouse)
**ESFR sprinkler & Quick Response
Sprinkler**



Project Reference

Woodlands Mosque



Warehouse (18 Tractor Road)



Project Reference

On Going Projects

IRWELL HILL RESIDENCES

(Fire Alarm, Fire Sprinkler, Hose reel,
Dry Riser,)



GREEN WICH(2nd Storey Warehouse)

(Fire Alarm, Fire Hose Reel)



Project Reference

On Going Projects

The Reef (HarbourFront) (Fire Alarm System)



Servicing & Maintenance

- Fire Alarm System
- Fire Hose reel System
- FM200 System
- VESDA System
- Fire Extinguisher
- Fire Hydrant System
- Fire Sprinkler System
- Pre-Action System
- Fireman Intercom System
- Fire Dry & Wet Riser System

Servicing & Maintenance

Previous Projects

KPP PACKAGING PTE LTD



AMOS INTERNATIONAL (S) PTE LTD



Servicing & Maintenance

Ongoing Projects

**Singapore Asahi Chemical & Solder
Industries Pte Ltd**



Epson Singapore Pte Ltd



Servicing & Maintenance

Ongoing Projects

NTUC FOODFARE CO-OPERATIVE LTD



Movements of 5 Ways Engineering Project Installation Team



Address and Contact



5WAYS

ENGINEERING SERVICES PTE LTD
YOUR ONE STOP FIRE PROTECTION SPECIALIST

- 3007 Ubi Road 1
#05-410
Singapore 408701

Tel: 67499431

Email: sales9431@5ways.com.sg

- **Mr. Derrick Ng – Director**
Mobile: 87583115
Email: derrick9431@5ways.com.sg
Website: www.5ways.com.sg

