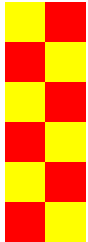




# SCDF

The Life Saving Force

*... for a safer Singapore*



# NFEC Fire Safety Seminar 2024

Enforcement Statistics & Common Fire Safety Non-Compliances

**CPT Sonia Chin**  
Fire Safety Department  
Enforcement Branch

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# Scope

- Introduction
- Enforcement Statistics
- Enforcement Workflow
- Common Fire Hazards & Fire Safety Offences
- Managing Fire Safety using Technology
- Conclusion



# Introduction

- SCDF regulates fire safety to attain a fire-safe built environment by:
  - ✓ Formulating fire safety policies – E.g. Fire Safety Act (FSA), Code of Practice for Fire Precautions in Buildings (Fire Code)
  - ✓ Implementing fire safety requirements – E.g. Fire Safety Certificate (FSC), Petroleum and Flammable Materials License (P&FM), Temporary Permit
  - ✓ Partnering the industry players to improve on regulatory systems – E.g. Fire Safety Managers (FSM), Building Owners
  - ✓ Maintaining an effective regulatory regime – E.g. Regular Inspections, Enforcement Actions



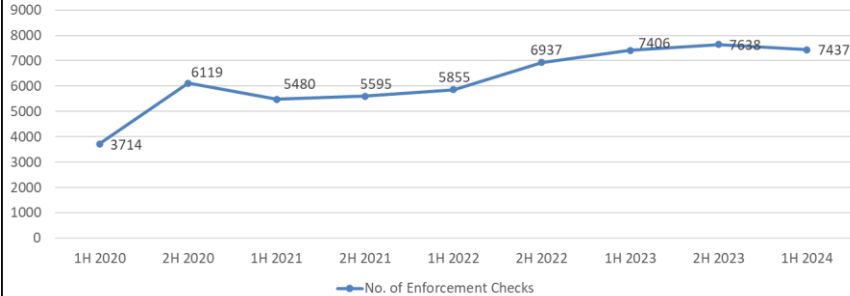
# Regulatory Regime

- To create a fire-safe environment by enforcing the FSA and achieved through:
  - ✓ Scheduled fire safety enforcement checks
  - ✓ Responding to public feedbacks
  - ✓ Concerted joint efforts by SCDF and building managements/owners/FSMs/CERTs

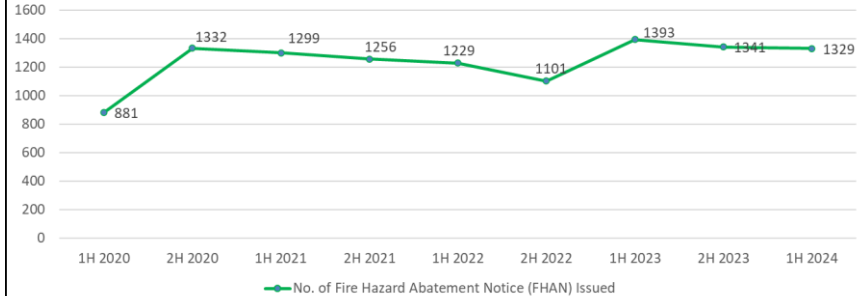


# Enforcement Statistics

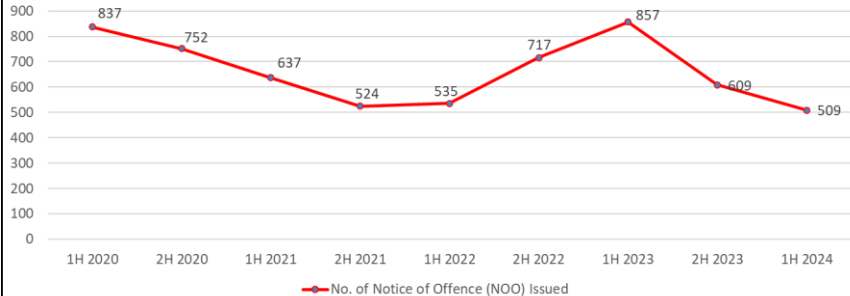
No. of Enforcement Checks



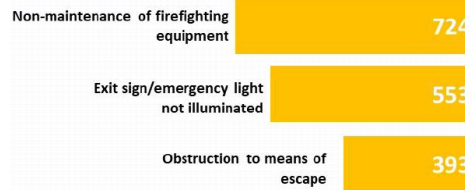
No. of Fire Hazard Abatement Notice (FHAN) Issued



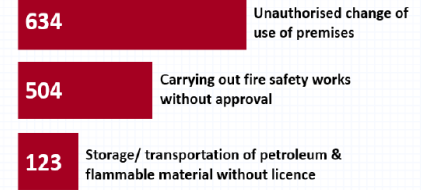
No. of Notice of Offence (NOO) Issued



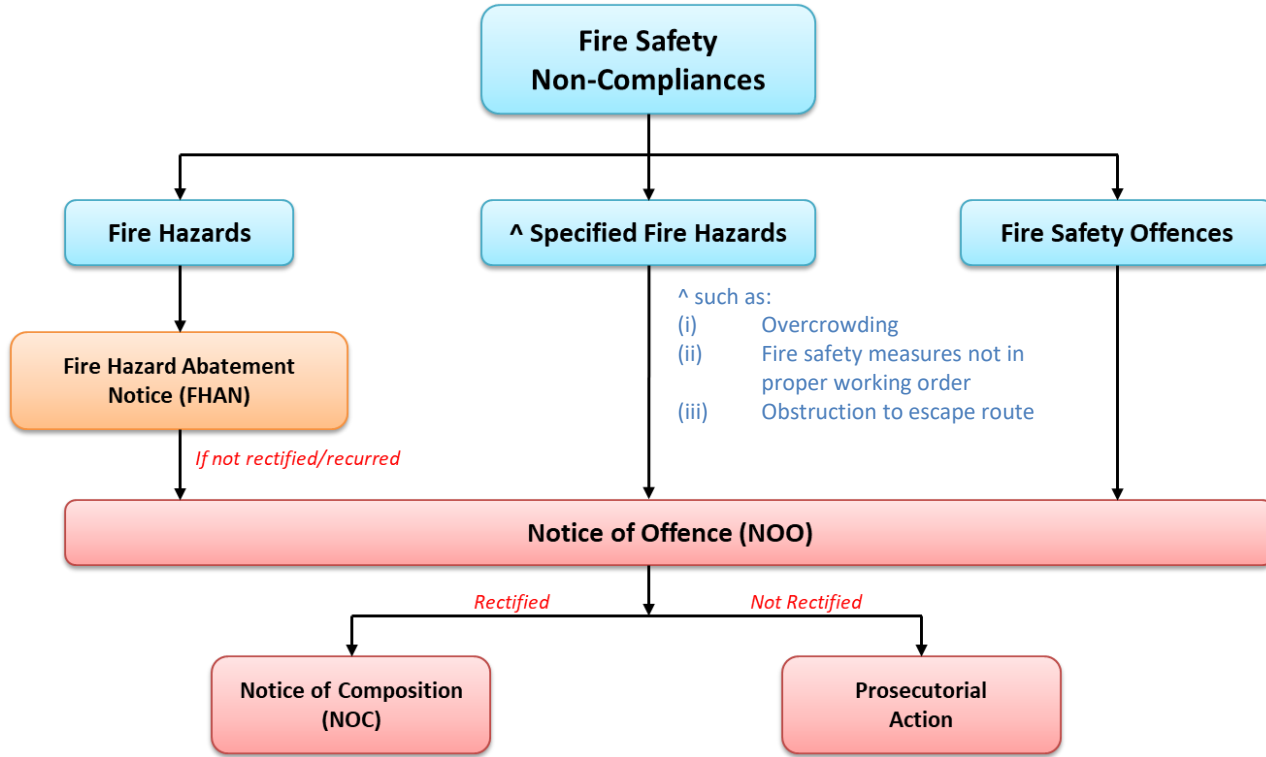
## Top 3 Types of FHANs Issued 2023



## Top 3 Types of NOOs Issued 2023



# Enforcement Workflow



# Common Fire Hazards



# Fire Hazards

## Section 2 of the FSA

- “Fire Hazard” means any matter or circumstance which materially increases the likelihood of fire or the danger to life or property that would result from the outbreak of fire and includes —
  - ✓ Obstruction to Means of Escape
  - ✓ Obstruction to Fire Safety Measures
  - ✓ Non-maintenance of Fire Safety Measures
  - ✓ Storage/Placement of combustible material
  - ✓ Missing/Removal of Fire Safety Measures





# Obstruction to Means of Escape



# Obstruction to Fire Safety Measures



# Non-maintenance of Fire Safety Measures



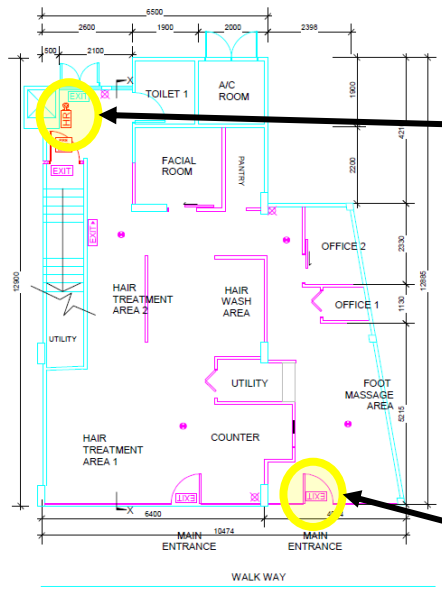
# Storage/Placement of Combustible Material



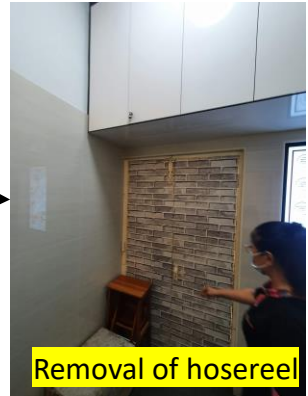
# Missing/Removal of Fire Safety Measures



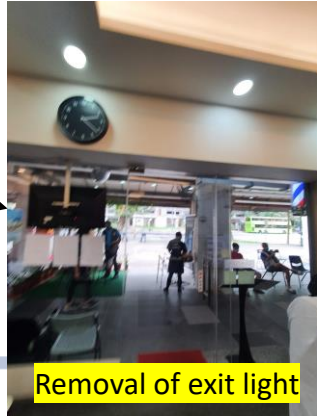
Exit door removed



#01-801 FIRST FLOOR LAYOUT PLAN  
SCALE 1:75



Removal of hosereel

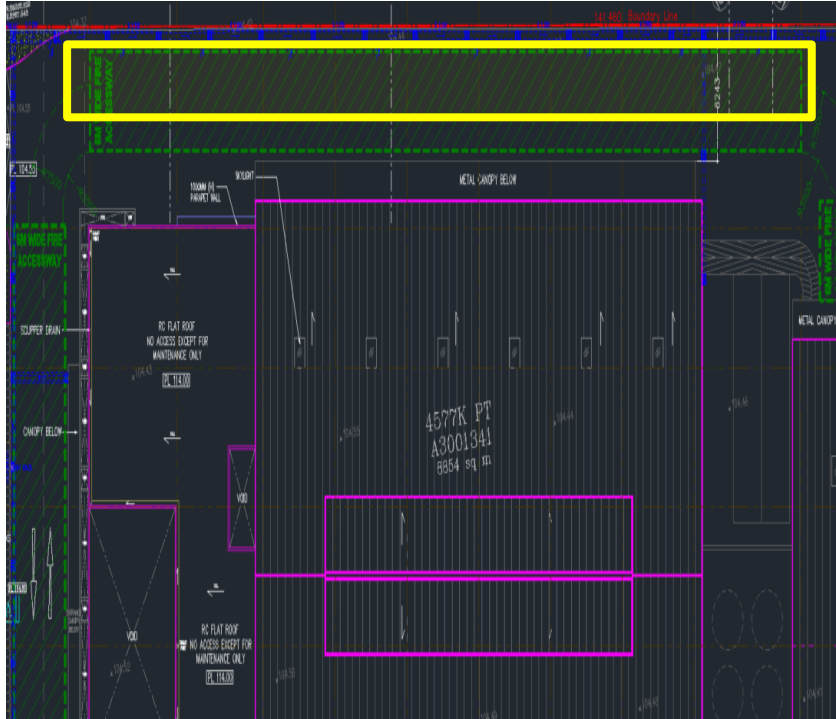


Removal of exit light

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# Obstruction to Fire Engine Access



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# Obstruction to Fire Engine Access



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# Common Fire Safety Offences



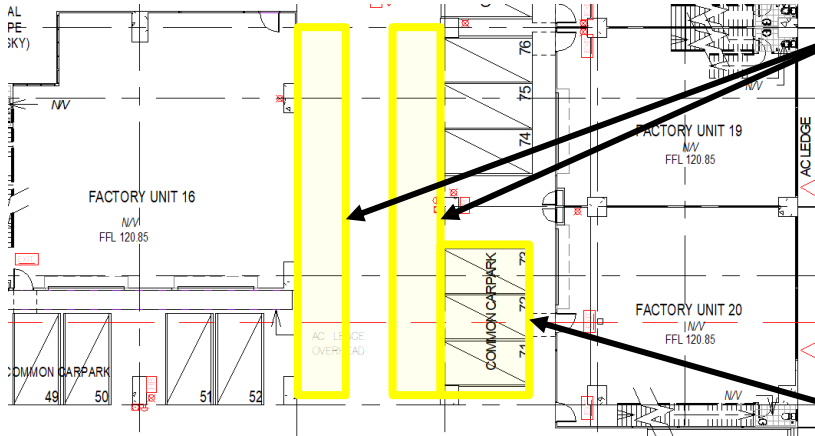


# Fire Safety Offence

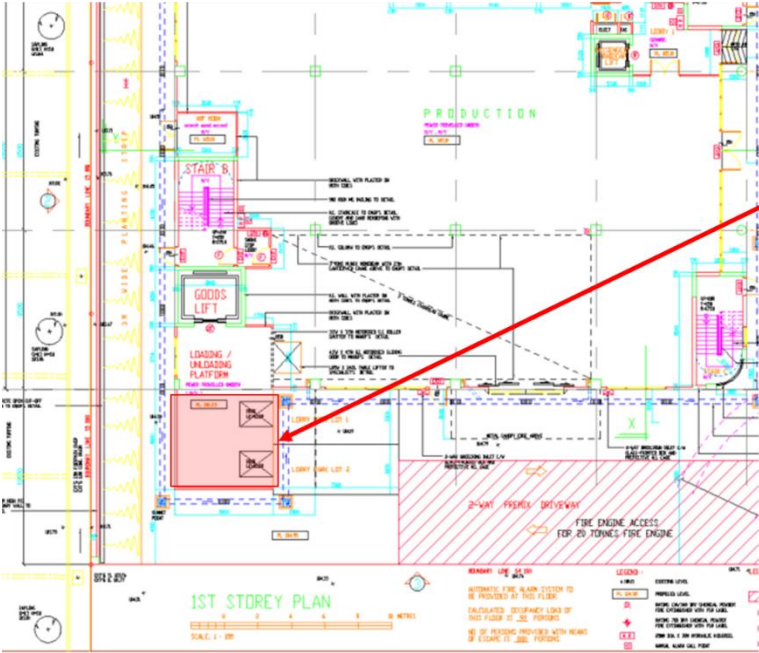
- Contravention to requirements in Fire Safety Act and its Regulations such as:
  - ✓ Change of use
  - ✓ Carrying out fire safety works without approval of plans
  - ✓ Storage of Petroleum and Flammable Material (P&FM) without a valid storage license



# Unauthorised Change of Use (COU)

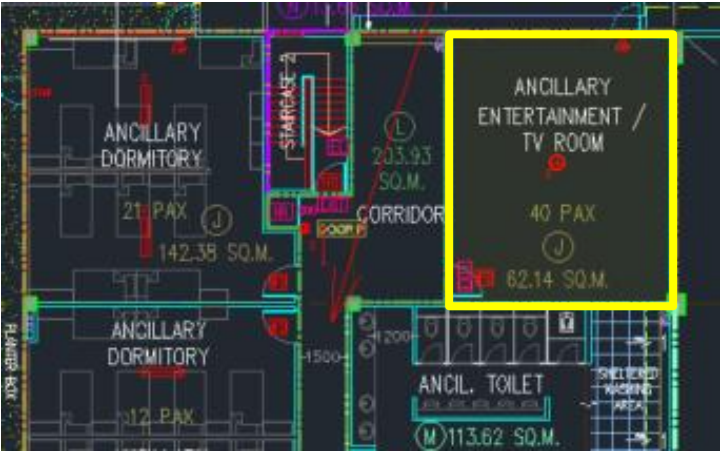


# Unauthorised Change of Use (COU)

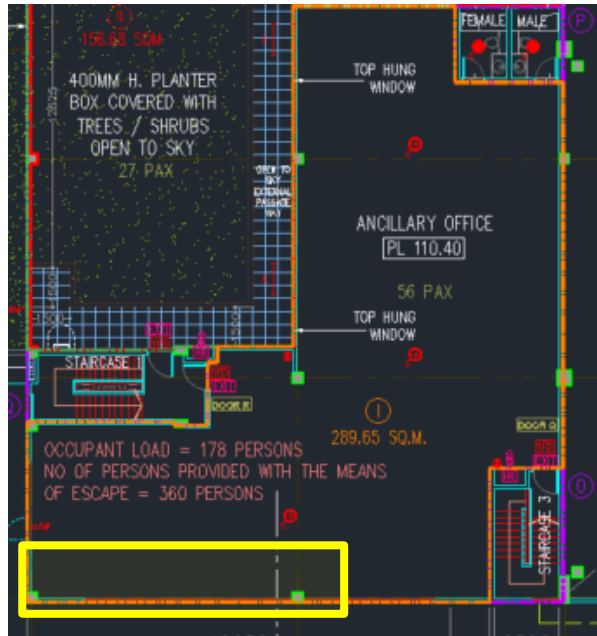


Loading/unloading bay

# Unauthorised Change of Use (COU)

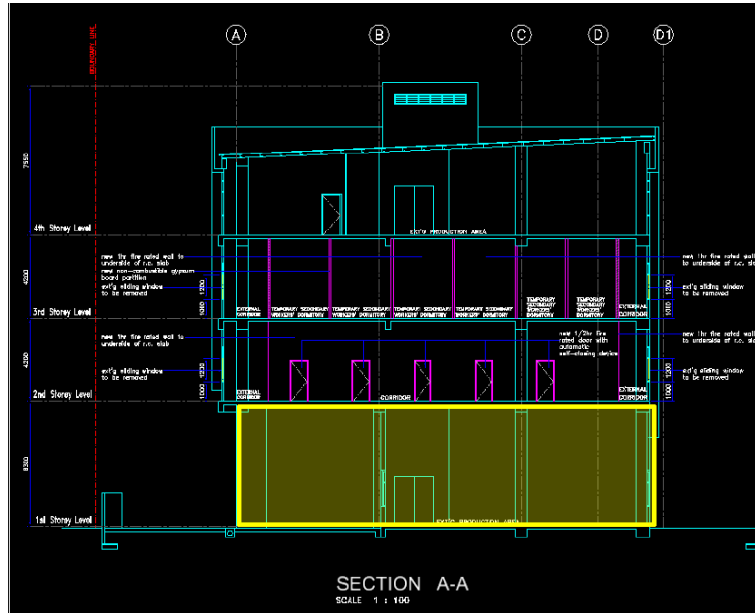


# Unauthorised Fire Safety Works (FSW)



Partitioning works without approval of plans

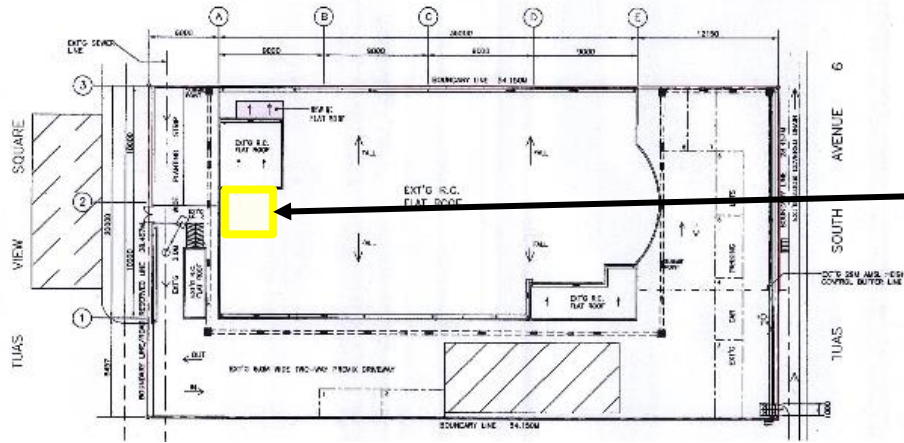
# Unauthorised Fire Safety Works (FSW)



Mezzanine works without approval of plans



# Unauthorised Fire Safety Works (FSW)



Diesel tank without approval of plans

# Unauthorised Fire Safety Works (FSW)



Installation of Kitchen Exhaust Ducting without approval of plans



Installation of LPG Manifold without approval of plans





# Unauthorised Storage of Petroleum & Flammable Material (P&FM)

LPG cylinder



Not more than 200kg of LPG cylinder in eating place

Diesel



Not more than 1,500L of diesel in a factory

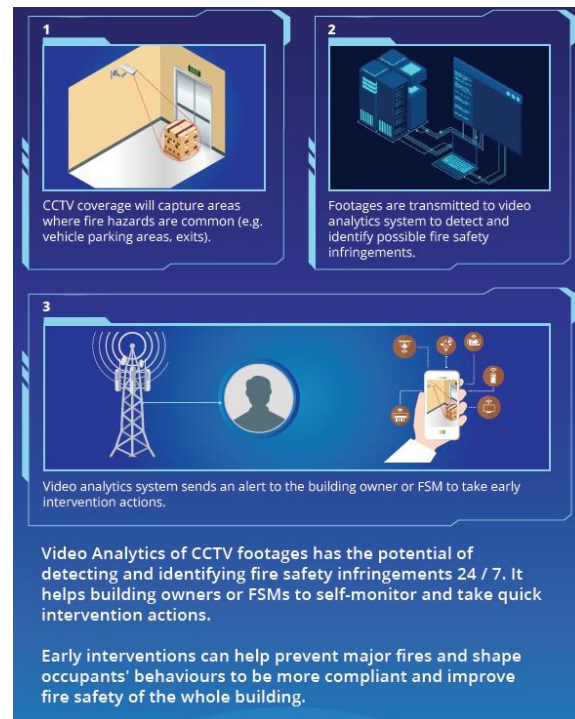
Acetylene



Not more than 10kg in premises

# Managing Fire Safety using Technology

- Advances in technology has expanded the functions of CCTV cameras, commonly used for surveillance and security purposes.
- Trials were conducted using CCTVs equipped with video analytics capabilities to detect fire safety infringements. Alerts can be sent to relevant parties (e.g. FSMs, building owners) to take immediate interventions.



# Managing Fire Safety using Technology

- These initiatives provide means for early intervention, which helps to shape the behaviour of building occupants and the public, to be more aware of the implications of their actions and prevent recurrence.
- By harnessing the power of VA systems, occupants can ensure a fire-safe environment for our community through proactive and advanced fire hazard detection and mitigation.



# Thank you

