



#### MAJ Rashid Mohd Noor

Investigation Support Team Leader | Fire Investigation Unit | Operations Department HQ SCDF

#### **SCOPE**

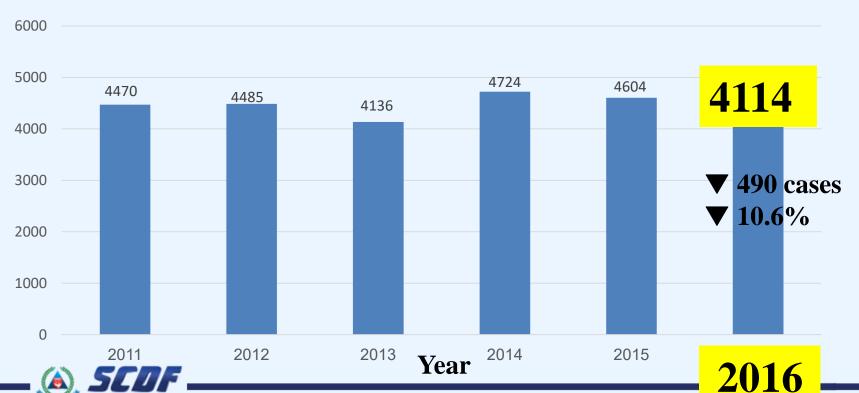
- Fire Statistics (2016)

- Case Studies

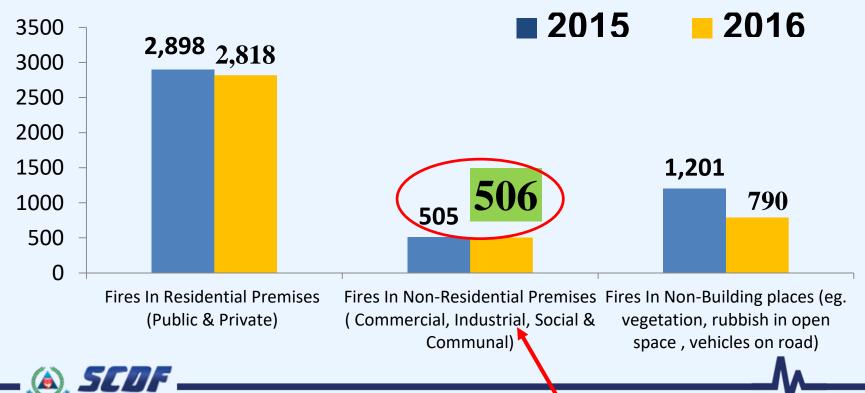
- Conclusion



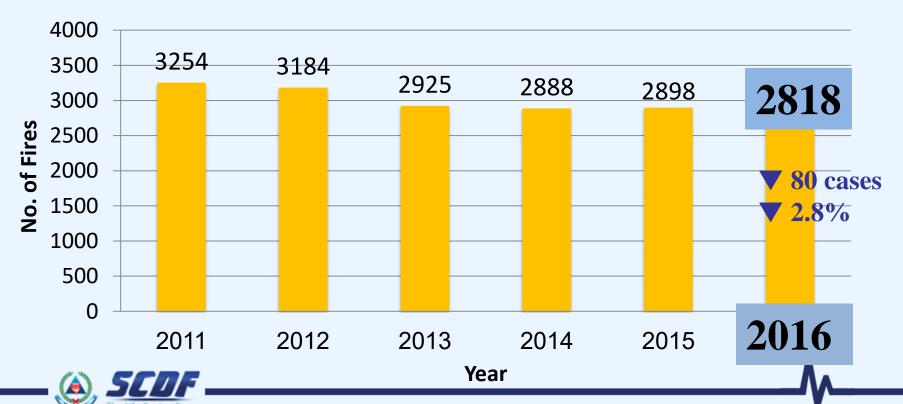
#### Total no. of Fires Responded to by SCDF



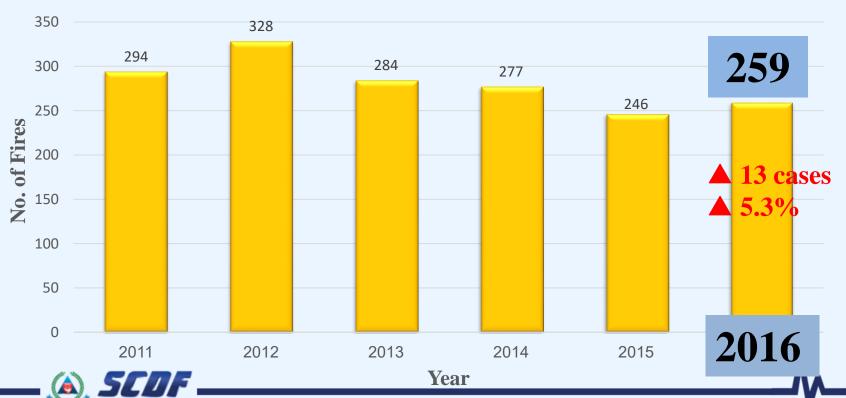
Breakdown of Fires by Type of Premises



#### **Fires in Residential Premises**



#### **Fires in Commercial Premises**

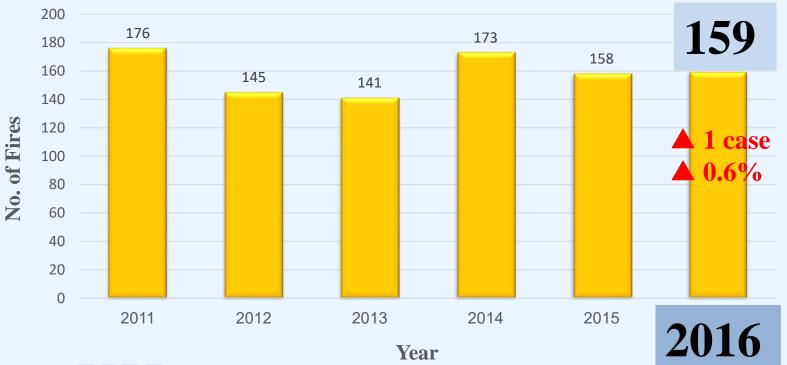


**Top 3 types of Fires in Commercial Premises** 



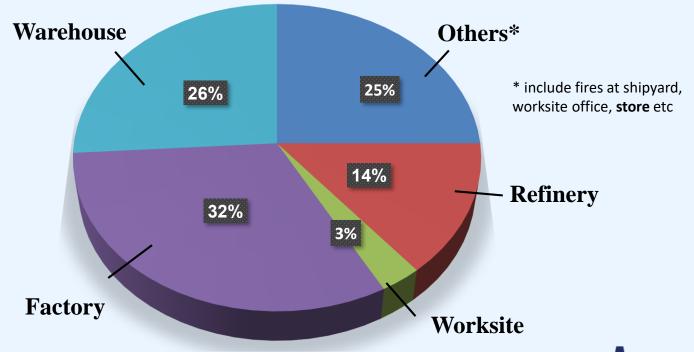


#### **Fires in Industrial Premises**



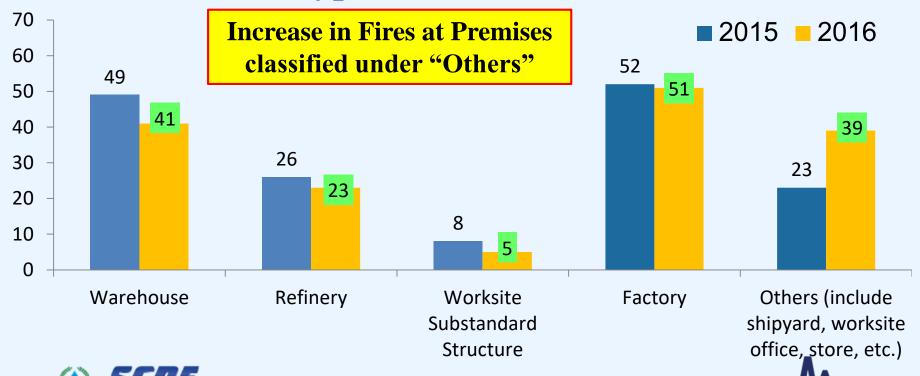


#### **Breakdown of Fires in Industrial Premises**





Breakdown of typ of Fires in Industrial Premises



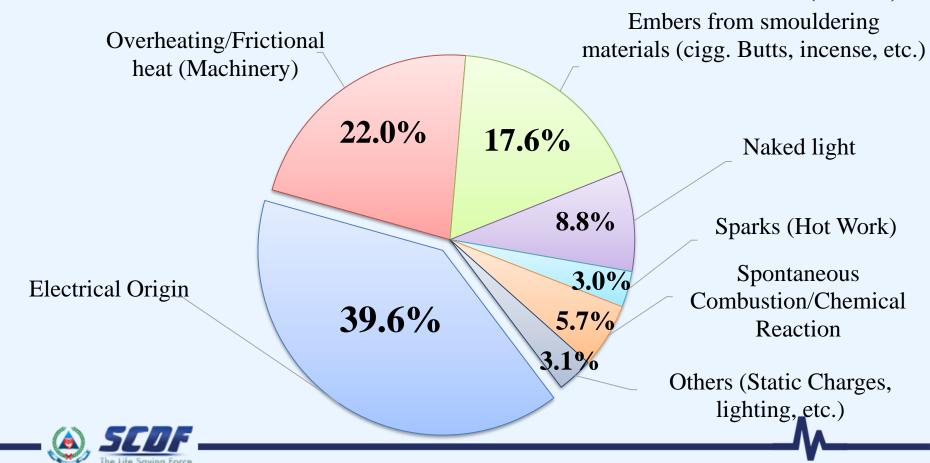
# Fires in Waste Management Facilities

(Industrial Premises)

Year	No. of Fires
2013	1
2014	2
2015	2
2016	1
2017	4



#### **Breakdown of Fire Causes in Industrial Premises (2016)**



#### **Breakdown of Fires in Industrial Premises**

Top Cause: Electrical Origin

• 63 cases (39.6%)











#### FIRE SAFETY TIPS

#### **Check:**

**Condition of wirings & electrical products Overloading is not present** Off the main switch when not in use Licensed Electrical Worker are used











#### Search For Licensed Electrical Workers

All electrical work must be undertaken or carried out by a licensed electrical worker. rewiring and extensions which have to be tested before the supply is turned on. When be done at his premises, he is advised to check that the person whom he intends to e electrical work has a valid electrical worker licence issued by the Authority.

#### It is an offence for a person

(i) to carry out or caused to be carried out any electrical work unless he holds a valid

Search For : Select

node of search from the following

- by Worker's Name (Enter any part of the name or alphabet)
- by Postal Code (Enter the first 2 digits of the postal code to search
- by Street Name (Enter any part of the street name or alphabet)





#### FIRE SAFETY TIPS

Most fires in Industrial Premises are Accidental.

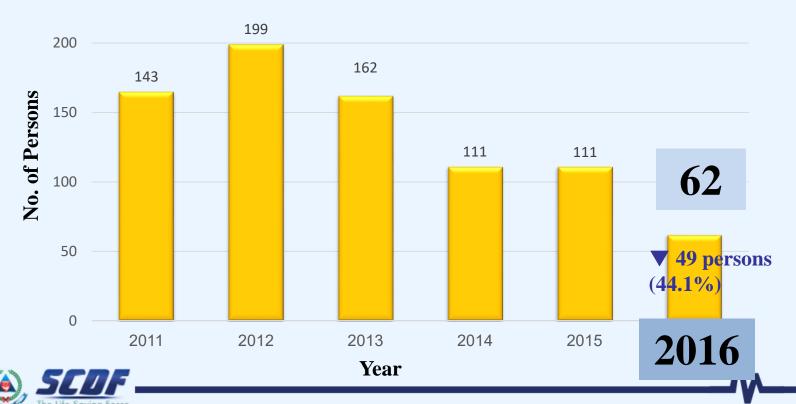
Some fires in industrial premises can be attributed to work processes such as Hot Work, handling of chemicals, etc.

Know the risks involved and adopt safe work practices!

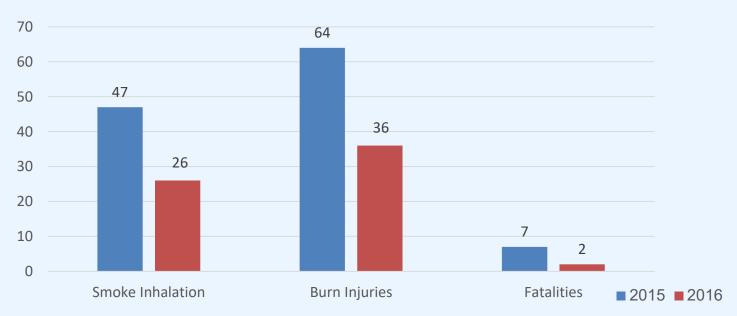




#### Fire Injuries in Singapore



#### Fire Injuries in Singapore





#### Fire Fatalities in 2016

• Residential Fire at Hume Avenue on 30 April (1 fatality)

Residential Fire at Rowell Road on 31
 October (1 fatality)



# Fire Safety Advisory

- Identify and evaluate the risks involved associated to the industry and implement fire safety measures to minimise them.
- Conduct daily routine checks to remove potential fire hazards.
- Ensure that all fire-fighting installations are kept well maintained.



# Fire Safety Advisory

• Good design, sound operation and diligent maintenance of the plant.

• Control of ignition source in flammable atmosphere.

Need for rigorous process hazard analyses.





#### **Conclusion**

# ALL OF US CAN PLAY A CRITICAL ROLE IN PREVENTING FIRES



# Prepare

# Prevent

Respond



# Thank you for your attention

