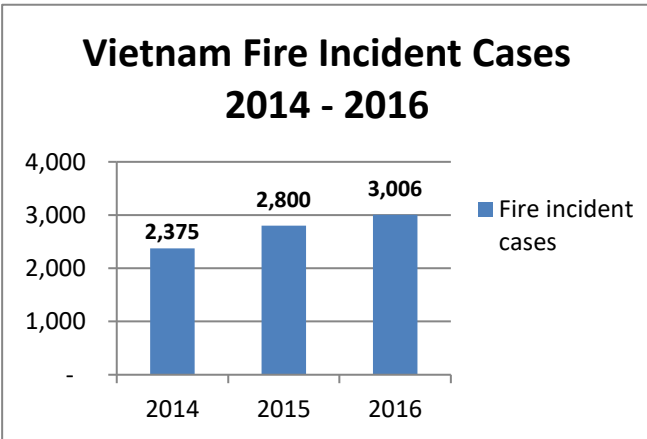


# FIRE SAFETY INSPECTION



(Source: Vietnam Fire and Rescue Police Department)

Based on the statistic chart, fire accidents since 2014 have been increased year by year, with gradual increase of 17.89% in 2015 and 26.57% in 2016. Through investigation, the main causes lie in bad maintenance of electrical devices, reckless exposure of flammable chemicals and human error. These causes can be prevented by system of fire safety inspection, which is normally ignored at many industries.

## HOW DOES THIS AFFECT YOUR COMPANY

For a fire to be ignited and developed, following three elements must be presented together:

- ❖ Fuel source
- ❖ Oxygen concentration
- ❖ Ignition source



These elements exist almost in all modern manufacturing facility, either in materials or process. Therefore, there is possibility that these sources can result fire or explosion at right condition.

There are plenty common factors for fire hazards which are listed:

- Lack of flammable & combustible liquids control and machinery maintenance
- Ineffective housekeeping
- Impairment of fire protection system
- Inadequate training of hazardous situation
- Insufficient Hot Work control and smoking regulations

These factors are common procedures to any operating firm, as maintaining the control over these issues is not easy, especially large scale business.



## WHAT SHOULD YOUR COMPANY DO?

### Managing Authority

A leader or a group with managing authority should be established and responsible for any unusual activity relating to high temperature or hazardous materials.

### Isolation of related flammables activity

Hazardous chemicals must be handled according to their requirement in Material Safety Data Sheet. The storage of these chemicals should be isolated from the production areas and equipped with fire protection devices.

## Smoking control

Smoking must be prohibited inside the production area. Designated smoking area should be provided at safe location, together with cigarette trays. Security patrol should be conducted frequently for violation checking.

## Hot Work Control

Hot work is only allowed with valid authorized permit and the area for hot work conducting must be inspected for hazard control. Fire protection of that particular area must be enable as well as manual fire-fighting equipment, under surveillance of safety officer.



## Training

All people involved with impairment activities should be fully trained and educated on implementing impairment handling procedures and the possible hazards associated with production. The responsible staffs to hazardous areas must be trained to use manual fire protection equipment effectively for fire hazard scenarios.

## Regular Maintenance

Maintenance upon fire protection system and machinery should be planned and executed effectively, in order to reserve long term operation and eliminate hidden impairment.



### Further Information:

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