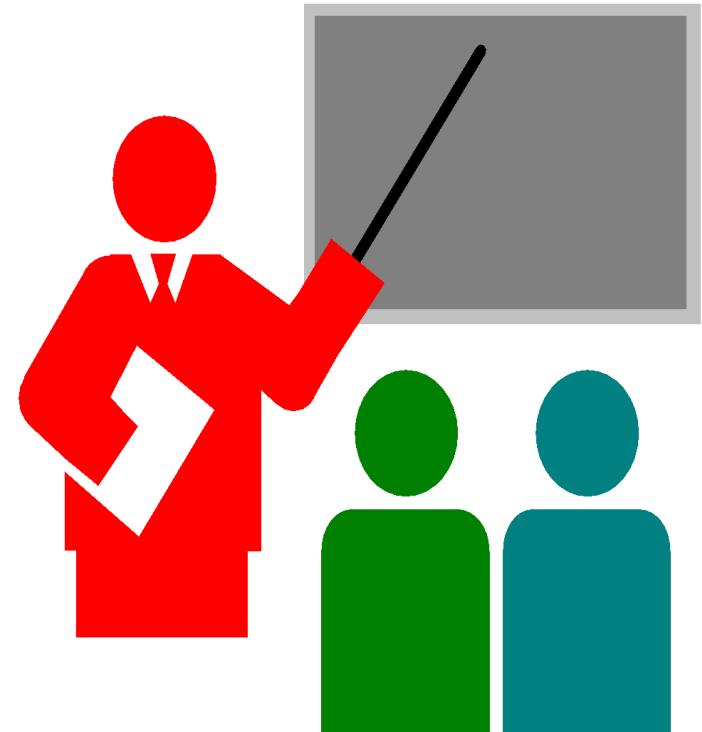


WELCOME TO DTVS

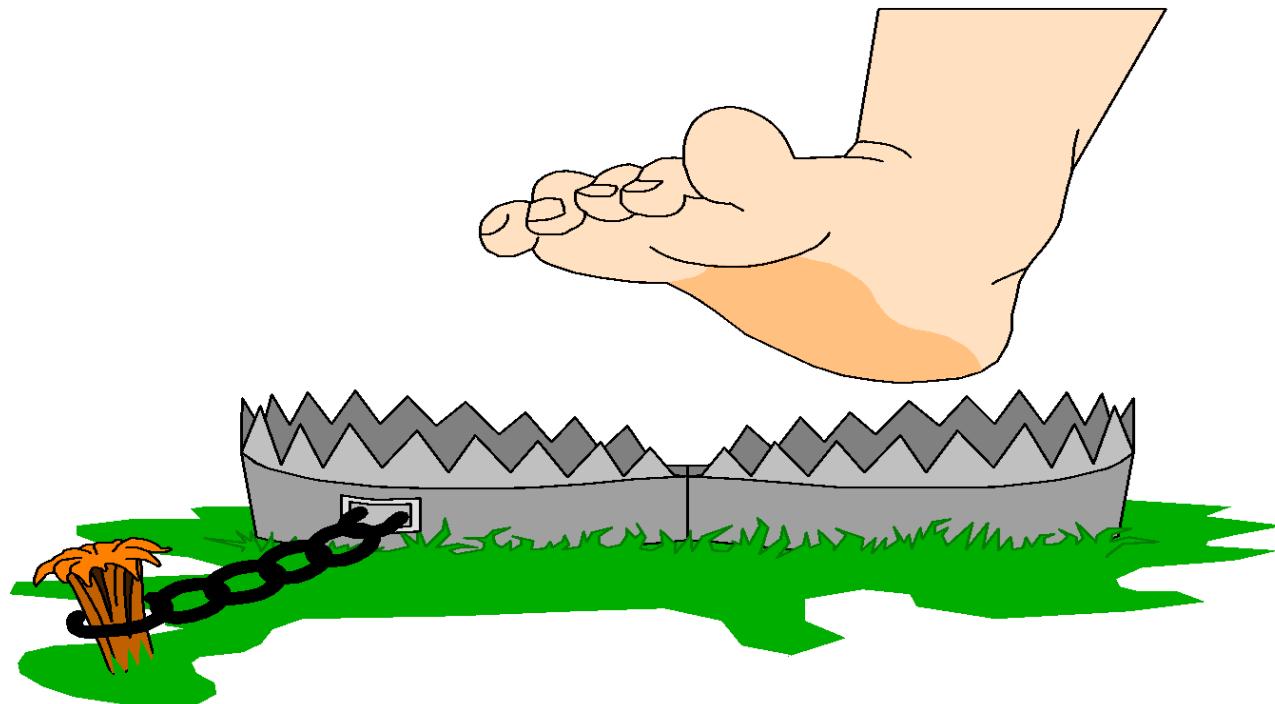
Purpose of this training is to educate all about

- INDUSTRIAL HAZARDS
- ACCIDENTS
- UNSAFE ACTS & UNSAFE CONDITIONS
- YOUR ROLE IN ACCIDENT PREVENTION
- INCIDENTS CASE STUDY



WHAT IS A HAZARD ?

ANYTHING THAT CAN HARM US IS A HAZARD



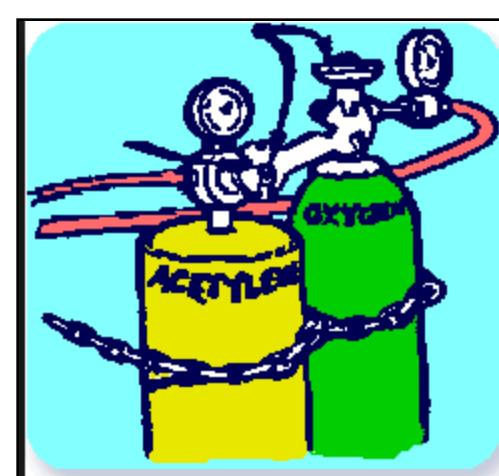
THERE ARE HAZARDS IN EVERY TRADE THAT IS WHY SAFETY RULES ARE MADE.



CHEMICALS



FIRE & EXPLOSION



TOXIC GASES

INDUSTRIAL HAZARDS



ELECTRICITY



MACHINERY



MATERIAL HANDLING

DIFFERENT CATEGORIES OF HAZARDS



HAZARD EXISTS EVERYWHERE

HAZARDS A COMPARISON

Hazards may be same but their harm varies with their Magnitude & Type

HAZARDS AT HOME	INDUSTRIAL HAZARDS
1. <u>Fire Hazard Low</u> <ul style="list-style-type: none">• We will have 1 Or 2 LPG cylinders.• Handled by all in the family.• Will affect the home only.	1. <u>High Fire Hazard</u> <ul style="list-style-type: none">• Large quantities of burning materials.• Handled by experienced and trained.• Will affect the areas outside also.
2. Electricity is low voltage (220V AC)	2. Electricity will be to the tune of(11KV)
3. Machines are less hazardous	3. Machines are dangerous.
4. Material handling is simple and manual	4. Material handling is more dangerous. <ul style="list-style-type: none">• Heavy Machinery are involved in handling.
5. No Gas cylinders of toxic nature	5. Toxic gases like ammonia may be used.

Hazards cannot be eliminated they can only be controlled

SPOT THE HAZARDS IN THE PICTURE – (Exercise -01)



(There are 8 hidden hazards in the picture below)

SPOT THE HAZARDS IN THE PICTURE – (Exercise - 02)



(There are 8 hidden hazards in the picture below)

Hierarchy of Control

Apply the highest level of control commensurate with the risk level— lower value controls may be used in the interim until long-term controls are implemented.

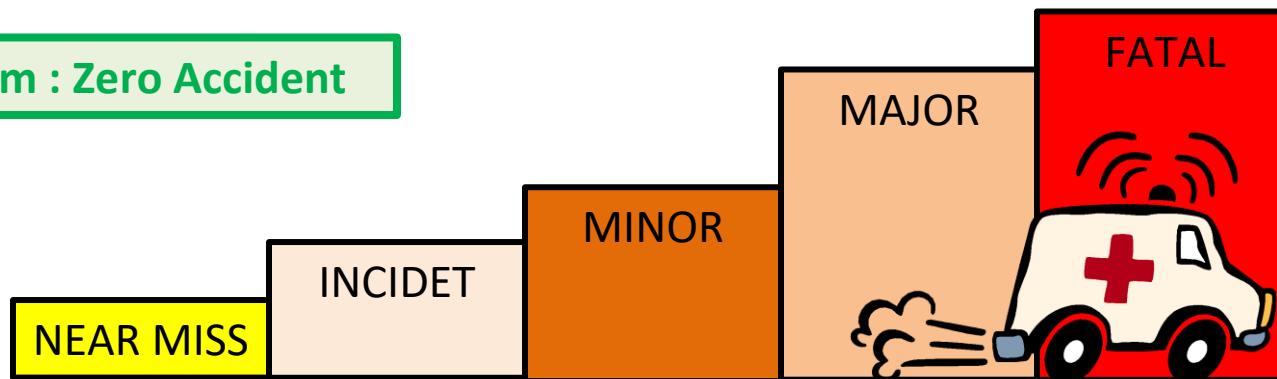


Increasing
effectiveness
and sustainability

Increasing participation
and supervision
needed

TYPES OF INDUSTRIAL ACCIDENTS AS PER FACTORIES ACT

Our Aim : Zero Accident

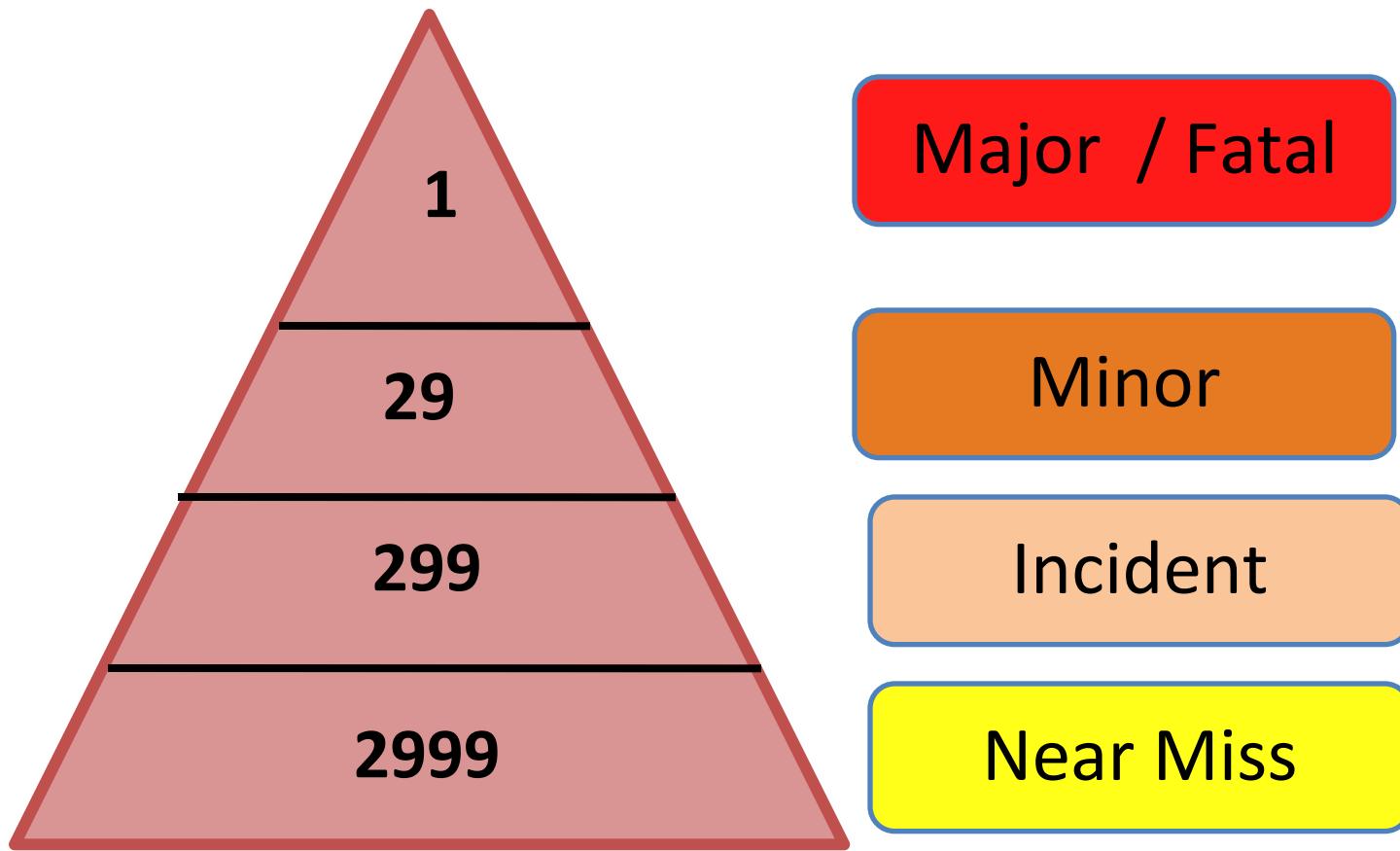


ACCIDENTS CAN HAPPEN TO ANY TYPE OF EMPLOYEE, EVEN TO THE EXPERIENCED

Type	Description
1. Near Miss	<ul style="list-style-type: none">Possibility of human injury but No Human injury (Ex: Fan or any component falling to ground)
2. Incident	<ul style="list-style-type: none">Return to work within few hour of the accident (Requires rest and no treatment is required)
3. Minor	<ul style="list-style-type: none">Return to work within 48 hours of the accident (A small cut injury which requires a bandage & rest)
4. Major	<ul style="list-style-type: none">Return to work within 21 days of the accident (Fracture or deep cut injury which requires a surgery)
5. Fatal	<ul style="list-style-type: none">Death or Permanent Disablement

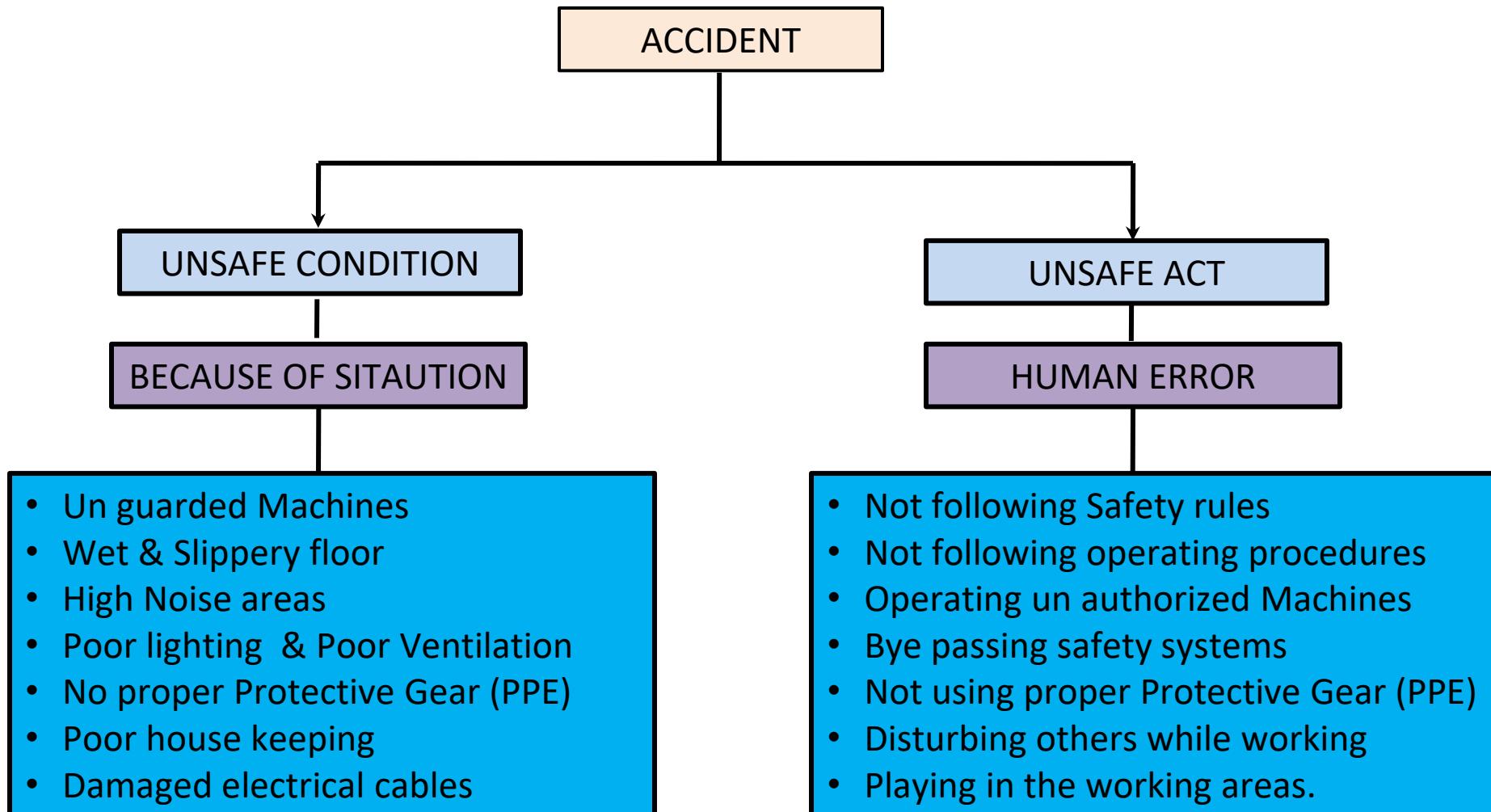
HENRICH THEORY OF ACCIDENT

THIS THEORY IS APPLICABLE TO ALL TYPE OF INDUSTRIES BUT NUMBERS INDICATED MAY VARY



IDENTIFY ACCIDENTS AT THE EARLIER STAGE AND PREVENT MOVING UPWARDS

Why Accidents happen ?



Any type of Accident can be Prevented

Loss of Accidents

AFFECTED	DIRECT (What you can see)	INDIRECT (What you cannot see)
EMPLOYEE	<ol style="list-style-type: none">1. Pain of injury.2. Medical Expenses3. Loss of Earning	<ol style="list-style-type: none">1. Fear of recovery2. Fear of Punishment3. Fear of Job
EMPLOYEE SOCIETY	<ol style="list-style-type: none">1. Interruption in their regular work.2. Expenses	<ol style="list-style-type: none">1. Son going to work after discontinuing studies.2. House wife going for work.
EMPLOYER	<ol style="list-style-type: none">1. Medical expenses2. Replacement of men & repair of Machinery3. Idle wages to employee	<ol style="list-style-type: none">1. Company reputation affected.2. Business interruption
EMPLOYER SOCIETY	<ol style="list-style-type: none">1. Production cost Increase.2. Business of our Supplier / Contractor affected	<ol style="list-style-type: none">1. Customer's business affected.2. Higher price for products borne by the consumers .

AFTER AN ACCIDENT

PROCESS FLOW OF ACTIONS

ACCIDENT REPORT

ACCIDENT ANALYSIS FOR ROOT CAUSE

REPORT TO GOVT AUTHORITIES

CAPA / COMPLETE / HORIZONTAL DEPLOYMENT

UPDATE RECORDS
COMMUNICATE TO ALL

KEY POINTS TO BE NOTED

- ROLES & RESPONSIBILITIES CLEARLY DEFINED
- TARGETS FIXED FOR EACH ACTION PLANNED
- PROPER FORMATS FOR CAPTURING DATA
- MAINTAIN RECORDS FOR FUTURE ANALYSIS

ACCIDENT PREVENTION IS
EVERYBODIES
RESPONSIBILITY