



TRAINING  
& RESCUE

*Safe in our hands*

# IOSH GROUP

## Confined Spaces

### overview

# Accidents in Confined Spaces

There are hundreds of accidents every year involving Confined Spaces.

Confined Spaces cause deaths every year in the U.K.

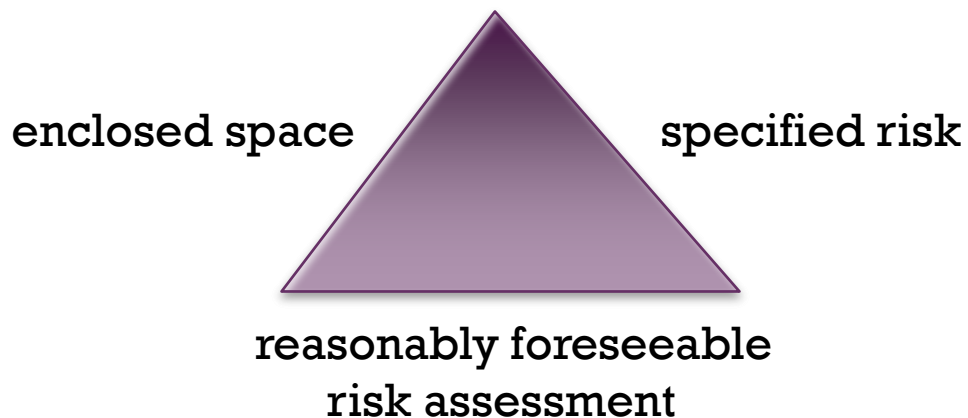
Over 50% of the fatalities are would be rescuers.



# What is a Confined Space ?

## H.S.E Definition

“Confined Space” means any place, including any chamber, tank, vat, silo, pit, trench, pipe, sewer, flue, well or other similar place in which, by virtue of its enclosed nature, there arises a reasonably foreseeable specified risk;



# Specified Risks

- Serious injury arising from a fire or explosion.
- Loss of consciousness arising from an increase in body temperature.
- Loss of consciousness or asphyxiation arising from gas, fume, vapour or lack of oxygen.
- Rise in the level of water (drowning)
- Asphyxiation arising from a free flowing solid (grain, coal, ash, lime, earth etc).

## What do we have to do?

### **Regulation 4 – (Part 1) “Work in confined spaces”**

No person at work shall enter a confined space to carryout work for any purpose unless it is not reasonably practicable to achieve that purpose without such entry.

**Avoid the entry if possible**

## Regulation 4 – (Part 2)

No person at work shall enter or carryout any work within a confined spaces otherwise than in accordance with a safe system of work.

Work Safely if we must enter





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# Safe System of Work

Risk assessment  
Permit  
Isolations  
Competence  
Communications  
Monitoring the atmosphere



Ventilation  
Suitable PPE – RPE  
Access and egress  
Lighting  
Emergencies and rescue plans



# Emergency Procedures

## **Regulation 5**

No person at work shall enter or carry out work in a confined space unless there have been prepared in respect of that confined space suitable and sufficient arrangements for the rescue of persons in the event of an emergency, whether or not arising out of a specified risk.

**Employees must have a suitable rescue plan**



# Emergency arrangements

**Absolute requirement (highest level of compliance)**

**On site arrangements - must be independent of local authority fire and rescue service**

**Safe guarding the rescuers - training, equipment, procedures – should be a documented procedure**



# QUESTIONS?