



Line of Fire (LOF)

Many hazards are like fire: if ignored, they grow

This session will help identify and manage daily risks



Agenda



What Does
"Line Of Fire" mean?



Types of
Workplace Risks



"In the Line of Fire" –
Key Concept



Real-Life
Lessons



Managing the Risk –
Risk Control Tools



Safety Culture =
Prevention



Line Of Fire (LOF)



Welcome to Line Of Fire (LOF) Training



Understanding

This training module is designed to provide a comprehensive understanding of Line Of Fire (LOF).



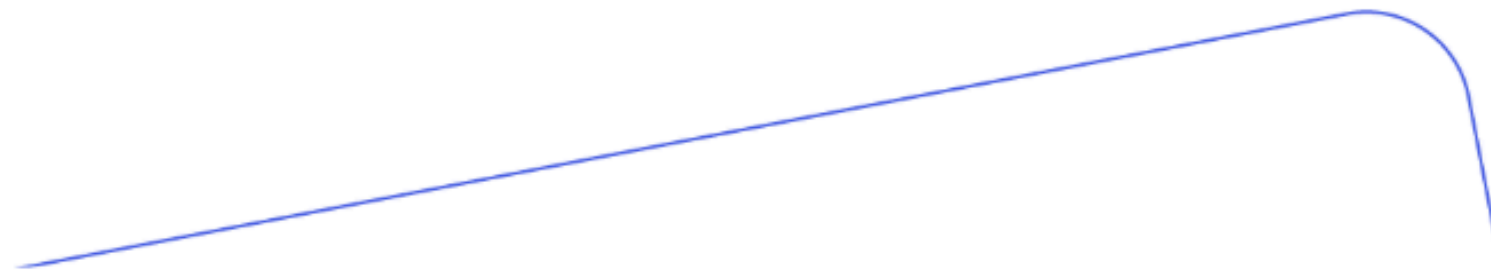
LOF scenario

The LOF refers to any area where workers are at risk of injury if they're in the way of a hazard. The hazard could be an object, energy source, or any other force capable of causing damage.



How to avoid LOF

By the end of this session, you will gain insights into when and how to understand associated LOF hazards effectively and avoid them.





What Does "Line of the Fire" Mean (LOF)?

Definition of LOF

Line of Fire, which was originally a military term, is now commonly used in industrial safety. Situations where workers put themselves in harm's way by virtue of the type of work they are carrying out.

These situations are usually caused by a lack of awareness and education.

Possible consequences

Hazards can be hard to recognize and can:

- Cause injury;
- Incapacitate;
- In severe cases, kill the employee or coworkers.

Lifesaving Rules LOF

Staying out of the LOF and checking that all other workers do the same, are basic principles for working safely.



Types of Workplace Risks





Types of Risks



Types of Workplace Risks

Physical
Hazards

Physical Hazards

Disorganized equipment, inadequate workplace, falling objects, heights, obstacles, slippery floors.



Electrical
Hazards



Types of Workplace Risks

Physical
Hazards

Chemical Hazards

Spills, reactions. Hazardous substances can also be the product of work activities, like fumes from soldering or dust from woodworking. Asbestos, bodily fluids, cleaning agents, chemicals, paints and fumes are all hazardous substances.



Electrical
Hazards



Types of Risks



Types of Workplace Risks

Physical
Hazards

Electrical Hazards

Overloads, shorts, arc flash. Faulty electrical installations, appliances or equipment can put you at risk of electric shock and increase fire risk.



Electrical
Hazards



Types of Workplace Risks

Physical
Hazards

Human Error

Fatigue, distraction. Long working hours, shift work, and physically demanding tasks can lead to fatigue, which could impair concentration, reaction times and decision-making.



Electrical
Hazards



Types of Workplace Risks

Physical
Hazards

Mental Stress

Work-related stress can be caused by excessive workload, tight schedules, conflicts with colleagues or supervisors, unclear expectations, lack of work-life balance, and other factors.



Electrical
Hazards



"In the Line of Fire" –
Key Concept



"In the Line of Fire" – Key Concept





Real-Life Lessons



Examples



Case study 1



Case study 2



Case study 3



Case study 4



Case study 5



Case study 6

A small spill + distraction = injury

Lesson Learned:

Assess your surroundings, watch the signs, hold on to the handrail, do not do other things.





Examples



Case study 1



Case study 2



Case study 3



Case study 4



Case study 5



Case study 6

Moving and dropping objects

Lesson Learned:

- Such situations can arise when tools or materials aren't secured properly at elevated work sites.
- Even a small tool dropped from a significant height can cause severe injury upon impact.
- Secure loose materials that might shift, drop, fall, or otherwise become airborne. Add toe boards on elevated work platforms to prevent tools and materials from falling into the area below.





Real-Life Lessons



Examples



Case study 1



Case study 2



Case study 3



Case study 4



Case study 5



Case study 6

Mechanical lifting

Lesson Learned:

- Plan lifting and control the area, establish, maintain, and honor barriers and exclusion zones.





Real-Life Lessons



Examples



Case study 1



Case study 2



Case study 3



Case study 4



Case study 5



Case study 6



Walking in front of or behind vehicles

Lesson Learned:

- Make sure you are visible, and the driver can see you.
- Position yourself in a way to avoid being directly in front or behind moving equipment.



Real-Life Lessons



Examples



Case study 1



Case study 2



Case study 3



Case study 4



Case study 5



Case study 6



Overloads, shorts, arc flash

Lesson Learned:

- Isolate energy.
- Disconnect the mains voltage before carrying out work.
- Always check for voltage with the voltage indicators before starting work!
- Use insulated tools and protective equipment.



Real-Life Lessons



Examples



Case study 1



Case study 2



Case study 3



Case study 4



Case study 5



Case study 6



LOF at home

Please be aware of Line of Fire hazards not only on the job but also when off duty.

- Identify risks and hazards before commencing any job;
- lead by example: always use PPE whether at home or at work;
- Use proper tools and equipment and make sure they are properly maintained;
- Ensure nobody, especially children are in the Line of Fire



Risk Control Tools



Managing the Risk – Risk Control Tools

Open the icons and find out more.

Risk Assessments –
Know before you go



PPE – Shield yourself



Safety Procedures –
Follow the plan



Toolbox Talks –
Daily awareness



Good Housekeeping –
Clean spaces =
fewer sparks





**Thank you for
your attention!**

