

OBJECTS AT HEIGHTS

Awareness and Solutions



WHAT IS A DROP COP?

- » Learn what encompasses Objects at Heights Safety and how it is part of Safety at Heights planning
- » Become aware of the costs of dropped objects and other Objects at Heights hazards
- » Learning best practice for Objects at Heights within the Hierarchy of Controls
- » Ergodyne is more than just product. We are the go-to for Objects at Heights.....
 - » Education
 - » Training
 - » Solutions



SAFETY AT HEIGHTS HIERARCHY

Safety at Heights

Workers at
Heights

Objects at
Heights



Fall Protection

Other Personal
Protective
Equipment (PPE)

Climbing
Equipment

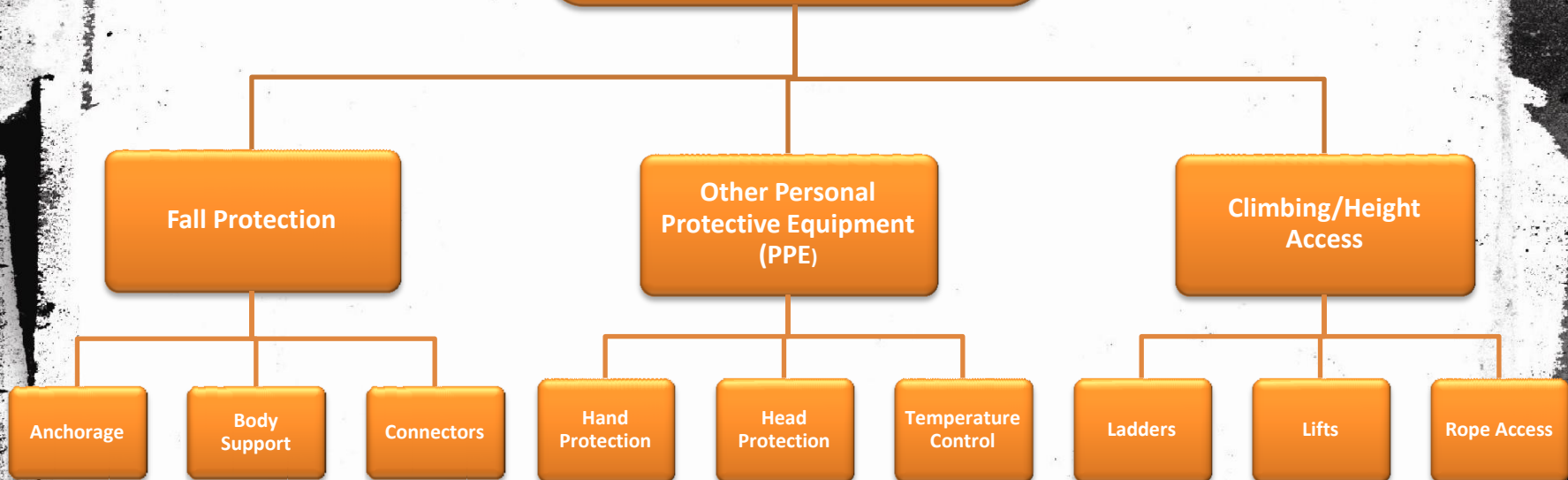
Dropped Objects
Solutions

Organization
Solutions

Transport
Solutions



Workers at Heights



Objects at Heights



Dropped Objects Solutions

Organization Solutions

Transport Solutions

Tethering

Topping

Retaining

Cord
Org.

Tool Org.

Gear
Org.

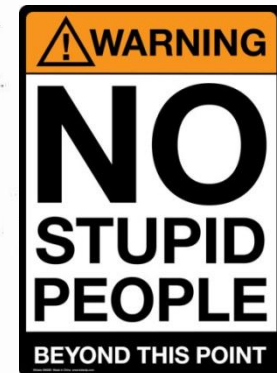
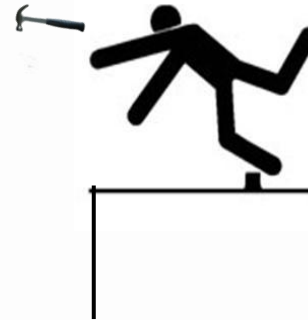
Carrying

Hoisting



AWARENESS

- » What Causes Dropped Objects
 - » Environmental conditions
 - » e.g. cold hands/fingers, high winds, fatigue from heat, etc.
 - » Striking against or colliding with objects
 - » e.g. jarred lift/platform, tripping, impact, etc.
 - » Negligence and poor work procedures
 - » e.g. talking on radio/cell phone, holding too many items/overloading, poor housekeeping



RISKS

- » Bringing tools & equipment to heights
 - » Workers at height tend to overload themselves with equipment
 - » Causes concerns
 - » Ergonomic (sprains/strains)
 - » Exhaustion & fatigue
 - » Increased chances for dropped objects



RISKS

- » Organization at Height
 - » In addition to tying off tools and equipment its important to keep them organized
 - » Cords, ropes, hoses on the ground
 - » Unorganized workspace at height can lead to hazards as well
 - » Trip hazards
 - » Unnecessary movement and time at height
 - » Increased chance for dropped objects



COSTS OF NOT TAKING ACTION:

1. Injury or Fatality
2. Damage
3. Lost Productivity



COSTS

- » Potential Injury or Fatality
 - » Object hitting an individual below
 - » Object causing loss of balance/fall



-SAFETY NOTICE-



COSTS

» Damage

- » ...to the dropped item itself
- » ...to an object below
- » ...to the structure being worked on



COSTS

» Lost Productivity

- » You just reached the platform where you need to perform your work.....Oops! You just dropped the tool you need to complete the job.



WHAT DO THE REGULATORS SAY?



REGULATIONS: HSE (UK)

- » HSE: The Work at Height Regulations 2005 (Amended 2007)
 - » Falling Objects: Regulations 10 & 11
 - » 39: Where it is necessary to prevent injury, you must do all that is reasonably practicable to prevent anything falling.
 - » 40: If it not reasonably practicable, you must ensure that no one is injured by anything falling.
 - » 41: You must ensure that nothing is:
 - » thrown or tipped from height if it is likely to injure anyone;
 - » stored in such a way that its movement is likely to injure anyone.
 - » 42: If the workplace contains an area in which there is a risk of someone being struck by a falling object or person, you must ensure that the area is clearly indicated and that (as far as reasonably practicable) unauthorized people are unable to reach it.

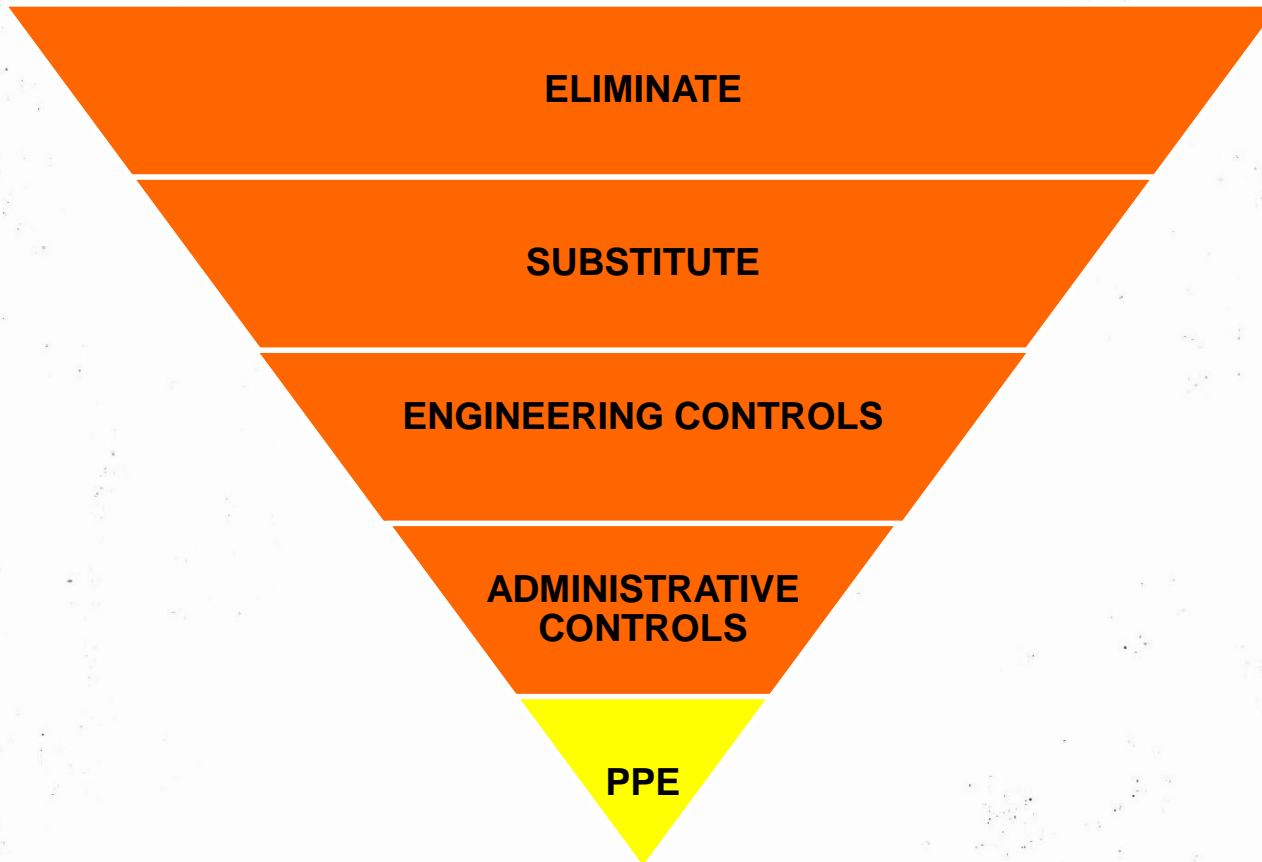
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OBJECTS AT HEIGHTS SOLUTIONS



HIERARCHY OF CONTROLS

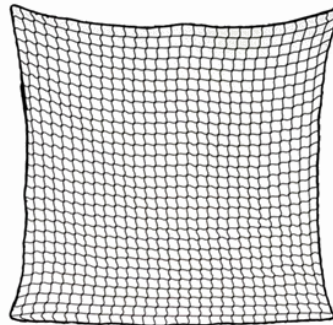


HIERARCHY OF CONTROLS

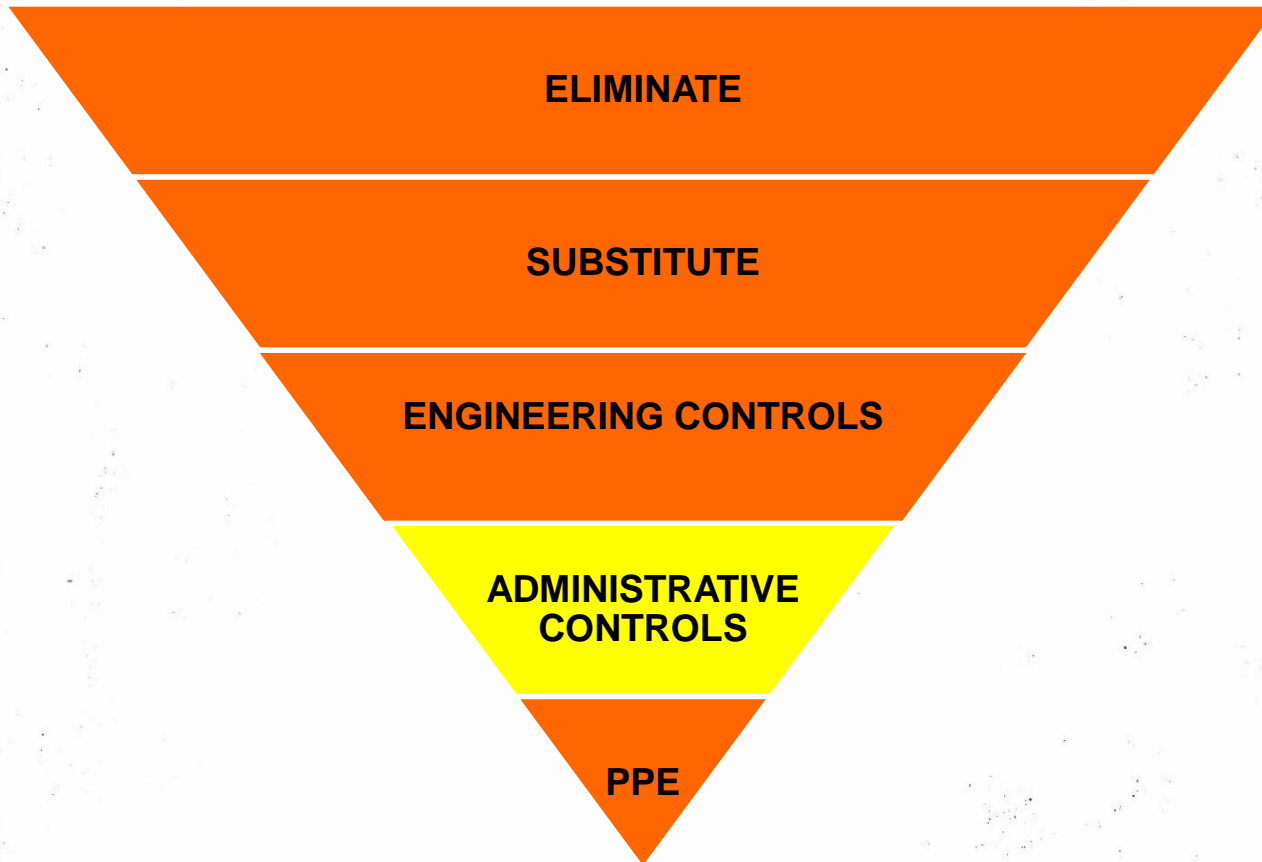
» Dropped Objects Safety Solutions

» PPE Solutions

- » Secondary protection solutions
- » Protects/covers the worker or deflects an object after it has fallen
- » Hard hats, toeboards, netting, steel toe boots



HIERARCHY OF CONTROLS



HIERARCHY OF CONTROLS

» Administrative Controls

» Procedures

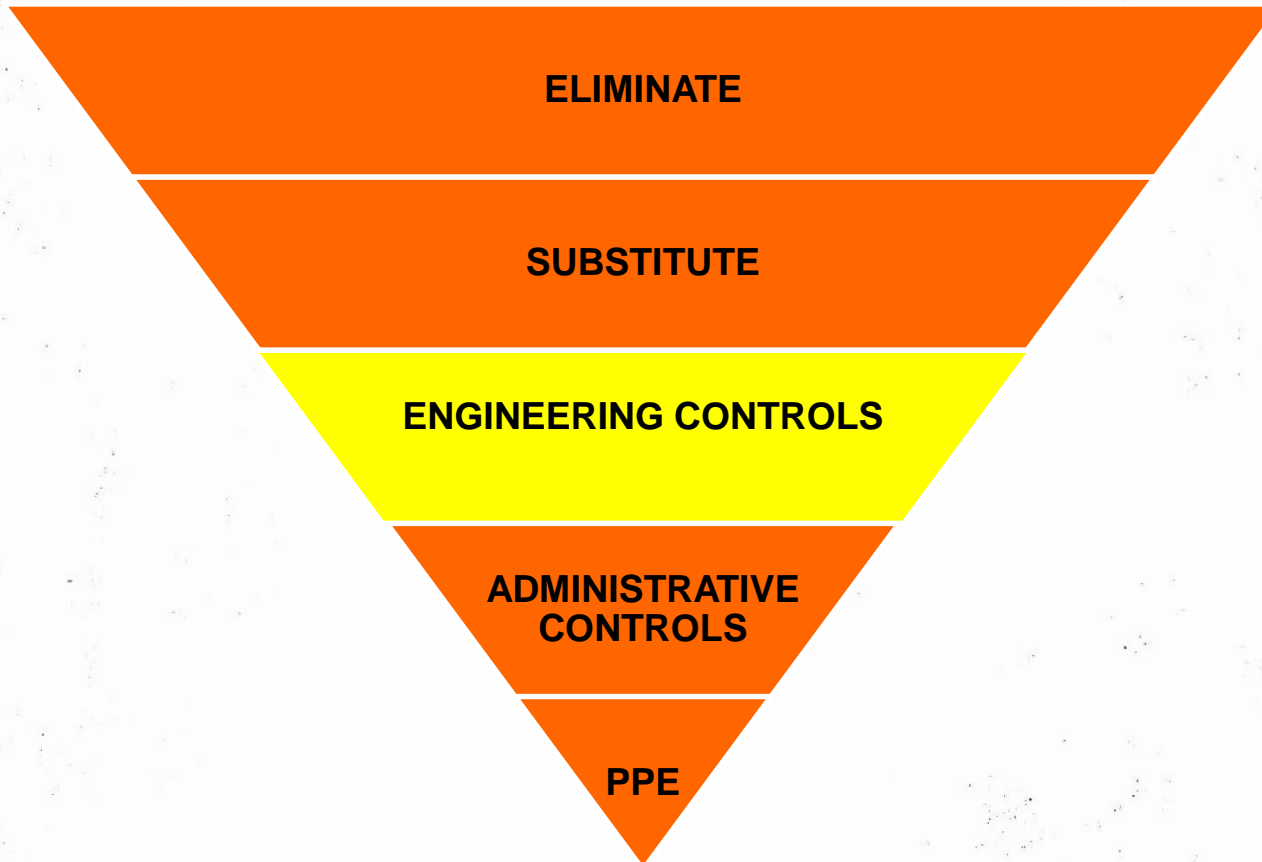
- » Safety professionals are implementing hoisting/lifting procedures
- » “Red Areas” or “No Go Zones”
- » Safety incentives

» Education

- » Signage and collateral
- » Training, training, training



HIERARCHY OF CONTROLS



HIERARCHY OF CONTROLS

» Engineering Controls

- » Aims to avoid the falling of the object all together (keeps them from happening)
- » Tool lanyards, topped tool bags, secondary retention
- » Engineering Controls Preferred!



THE 3 T'S OF AERIAL SAFETY

» Tethered

- » Prevents object from falling by securing to a worker or other anchor point

» Topped

- » Cover buckets, pouches and other containers while at heights to avoid spilling their contents if tipped or inverted

» Tagged

- » Look for a certified weight rating from the manufacturer stamped on the label or product itself



SUMMARY

- » Objects at Heights safety should be a part of every safety at heights plan: Secure People and Objects!
- » Objects at heights should have drop prevention and organization practices in place for increased safety.
- » Use the hierarchy of controls by implementing engineering controls (tool lanyards) before secondary protection PPE solutions (hard hats)
- » Remember the 3 T's: Tethered, Topped and Tagged
- » For more information on objects at heights safety and solutions contact Ergodyne® (651)-642-9889 or visit the website www.ergodyne.com

