



HEAVYMECH

MACHINING AND GENERAL ENGINEERING

**BEING IN THE WRONG
PLACE AT THE WRONG
TIME**

**WHEN
LINE OF FIRE
MEETS
WHAT IF**

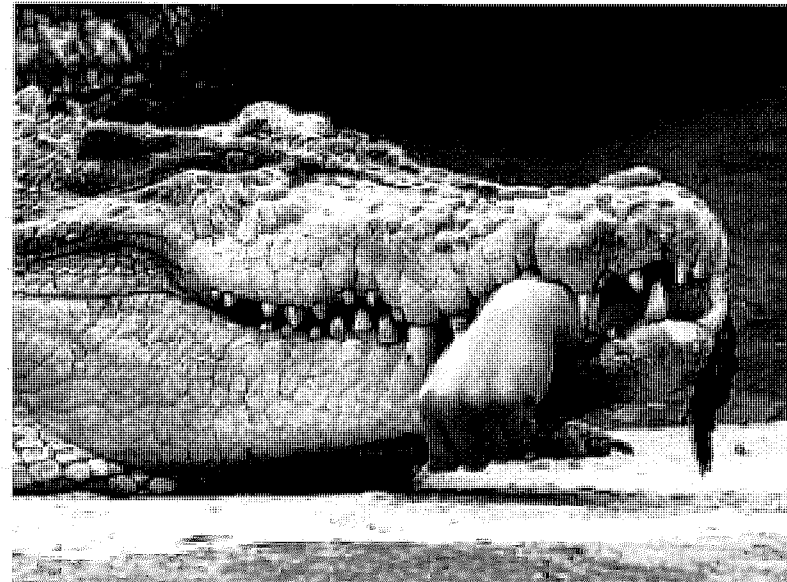
Overview of presentation

- 1 • Introduction
- 2 • Would You
- 3 • What If meets Line of Fire
- 4 • Know Your Hazards
- 5 • Hierarchy of controls process

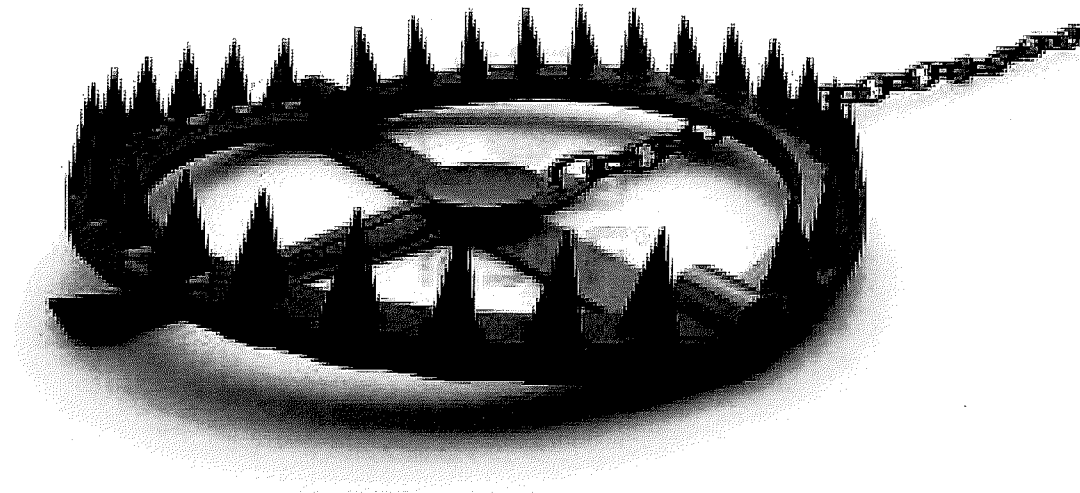
Introduction

- The line separating us from injury can be quite small at times.
- There is an old saying of, being in the wrong place at the wrong time...but could this be prevented?
- My question is: if you knew you could get hurt, would you not put yourself in that situation?
- This presentation is about giving you awareness training to prevent you 'being in the wrong place at the wrong time'.

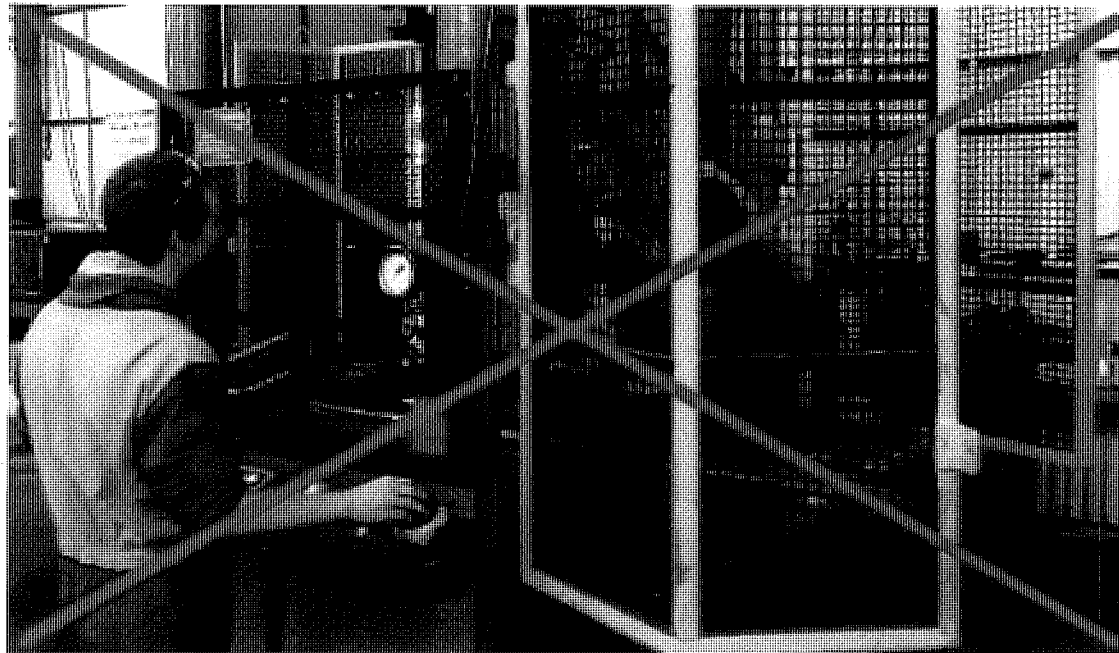
Would You:
Place your hand into a croc's
mouth?



Would You:
Place your hand into a sprung trap?



Would You:
Work in a press while the press is
operating?



What if And Line of Fire

Summary of Incident

Background

Probable Cause

Action required

What happens when:

What If meets Line of Fire

This is about putting yourself into a position or neglecting to do/check something, which results in you testing the saying.

“she’ll be right mate, it wont break/slip/move”

But what happens if it does break/slip/move and you are in the line of fire

There are many obvious situations
you never place yourself:

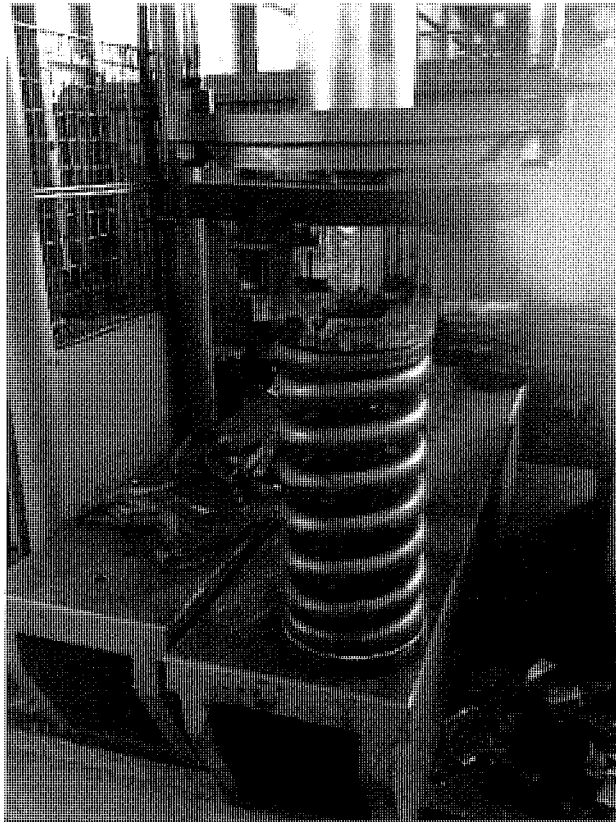
- walking under a suspended load (what if the sling breaks)
- Using an electrical tool whilst standing in water (what if I drop the tool in the water)
- Put your hand in-between stored energy and a solid object

The ones above rarely occur but it's the ones that are not so obvious and ones which people considered have a low probability, that continually occur

Here are some examples
of what happens to a
person
when 'What If' and Line of
Fire meet

Note, some are based on
incidents that have occurred at
Heavymech

What If:
Put your put your hand between stored
energy?



‘What if’ your using your grinder in a position, that when it kicks back, it would hit you in the face?



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‘What if’ a load of pipe comes in and you release the strapping without checking how secure it is & your standing right in its path?

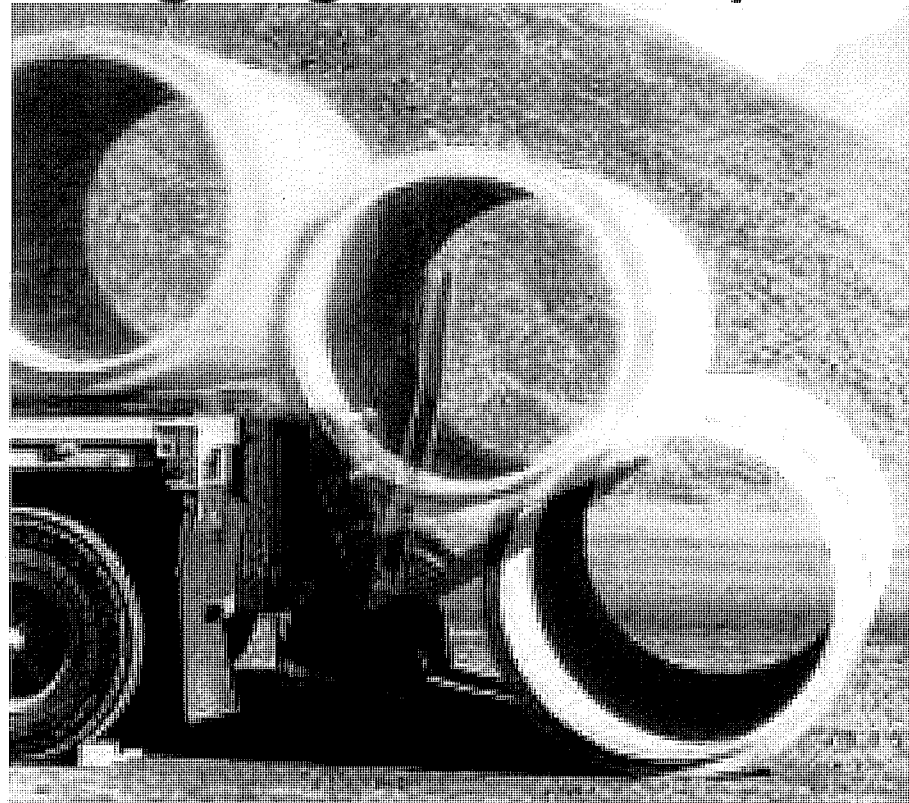


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‘What if’ the wedge you were hammering (with force) moved and your hand was too close?



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‘What’ if you didn’t lock down
your load and you stopped
suddenly?



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‘What if’ the load you are lifting suddenly swings and you are in it’s line of fire?

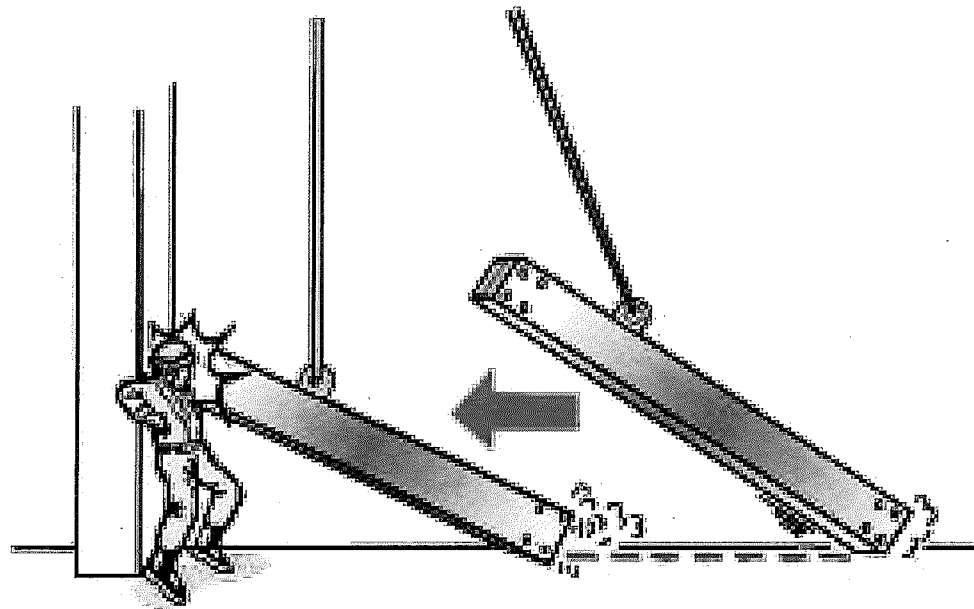
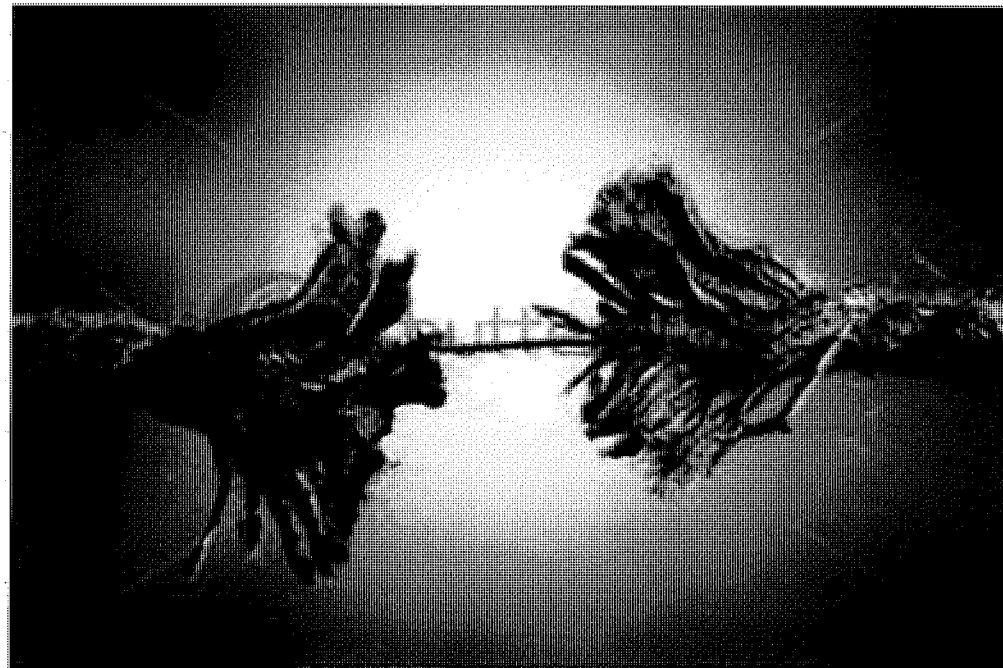


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‘What if’ the rope you are using
to lift the 20 kg toolbox
between floors breaks and
people are under it?



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‘What if’ you’re in a 4WD and going too fast around a bend on a dirt road and you loose control?



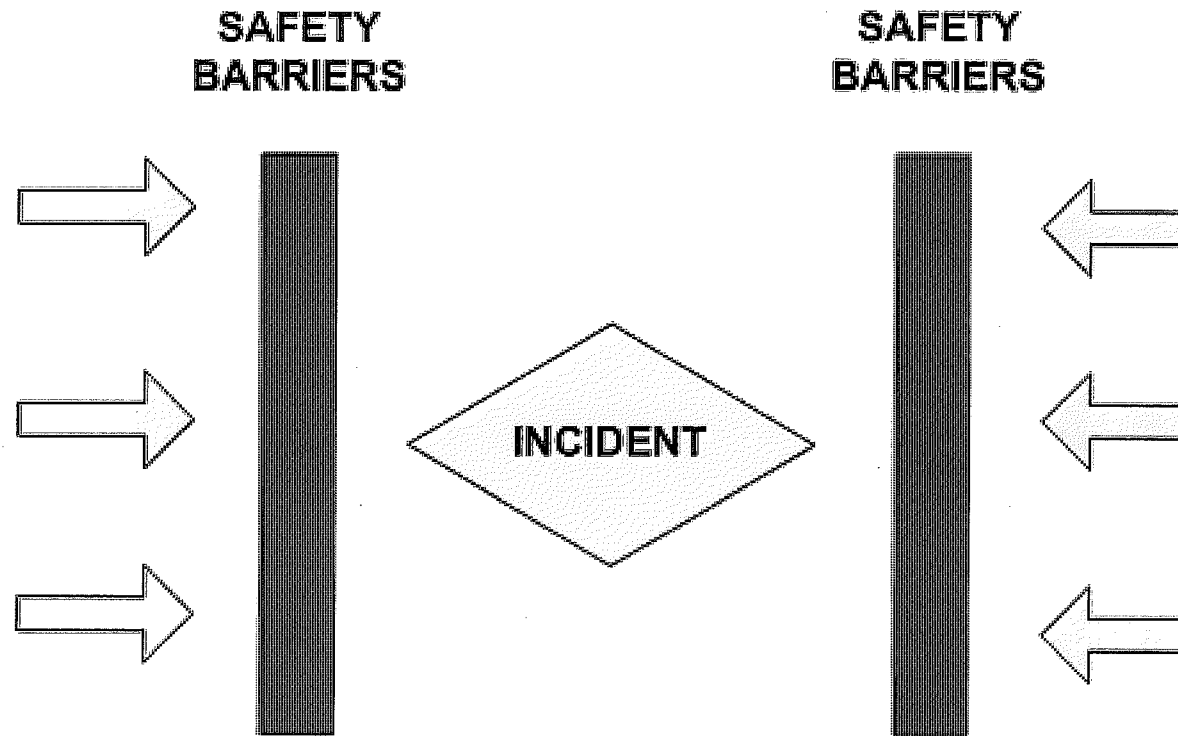
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Know Your Hazards

Before you can apply the What If and Line of Fire principles, you need to understand the hazards you are dealing with? Once identified, the controls to remove/reduce the risk level are instigated.

These controls become your Safety Barriers.

Safety barriers prevent injuries



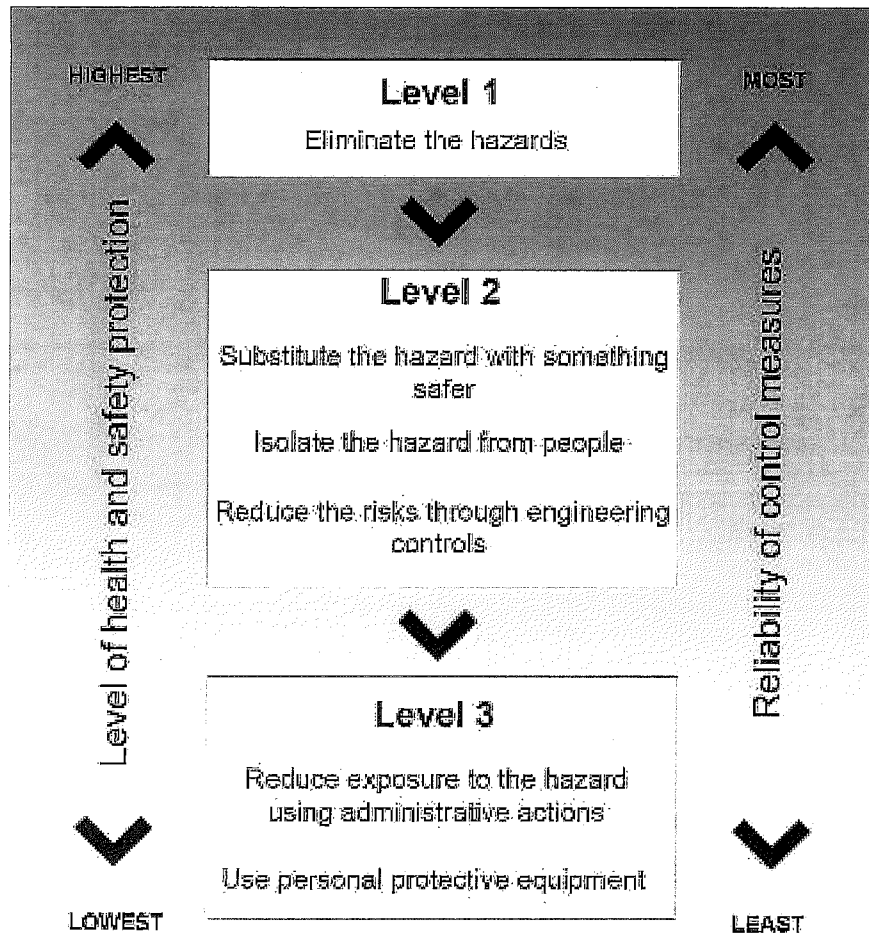
How do we identify Line of Fire Hazards:

1. Being provided knowledge by training such as this
2. Hazard reporting
3. Old incidents
4. Risk assessment on plant and machinery (SOP's)
5. Pre-Starts, Take-5, JHA's
6. Incidents investigations
7. Workplace inspections
8. Consultation (Toolboxes, H&S Rep's, Safety Committee)

Line of Fire Hazards come from:

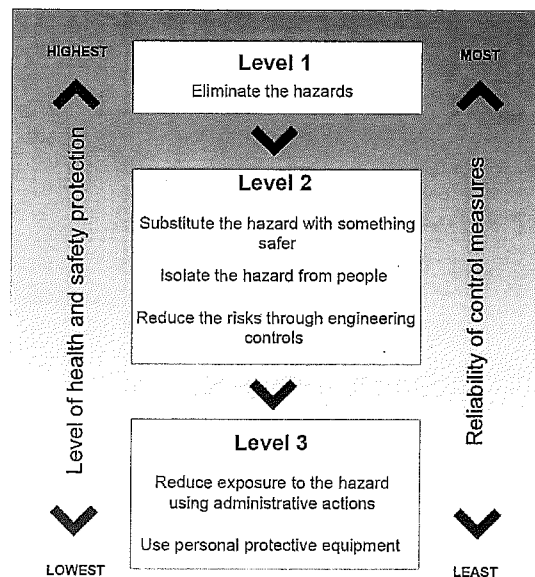
1. Sudden release of tension/compression
2. Gravity (suspended loads)
3. Stored energy e.g. fluid & electricity
4. Moving machinery
5. Mobile plant and vehicles

Hierarchy of Controls?

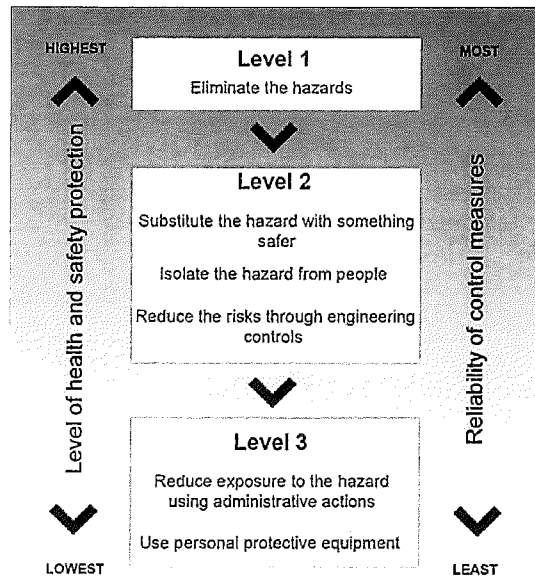


Once the hazard is identified, we use the hierarchy of controls, to remove or reduce them.

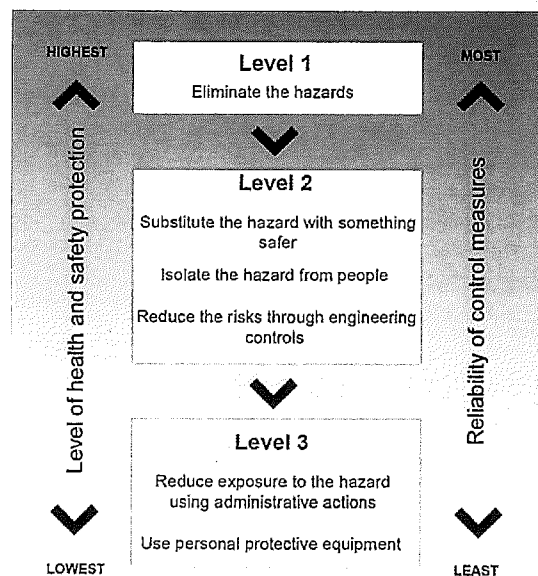
Example – the Hazard



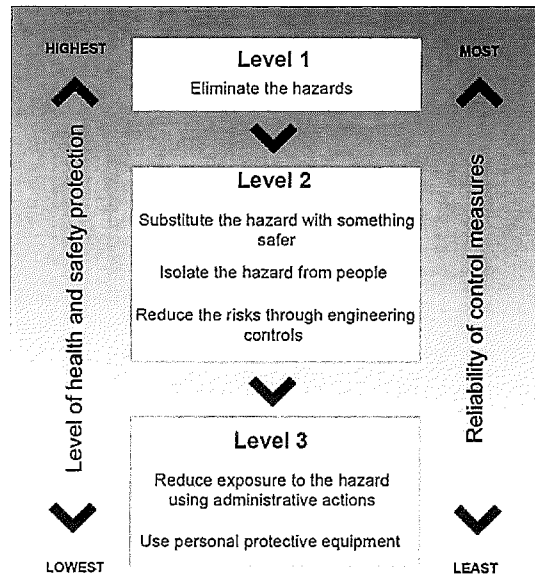
Eliminate the hazard



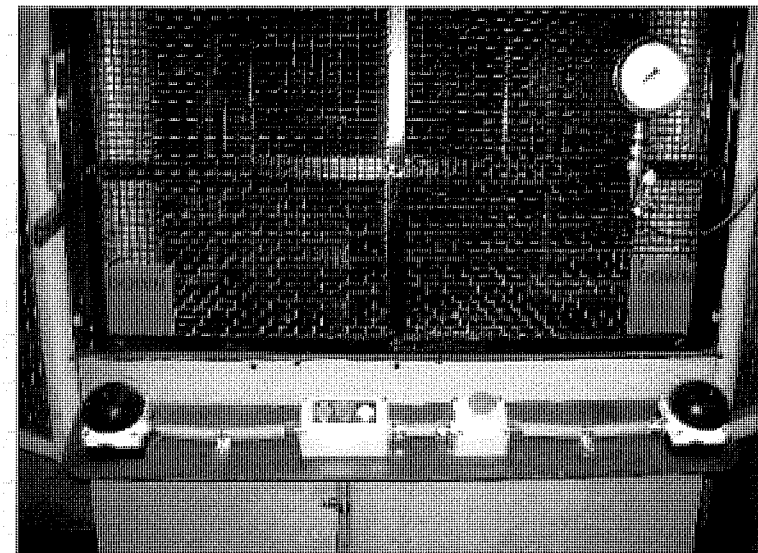
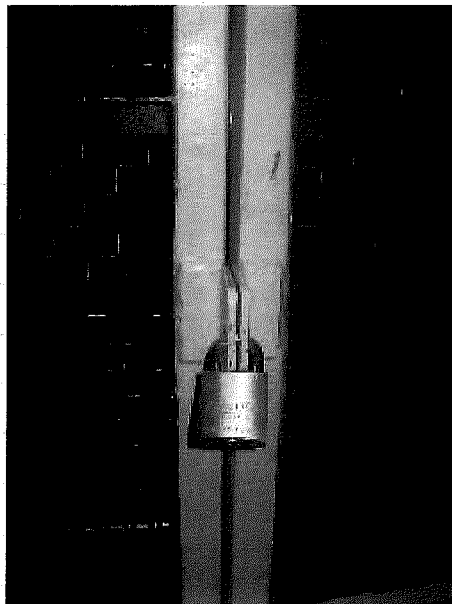
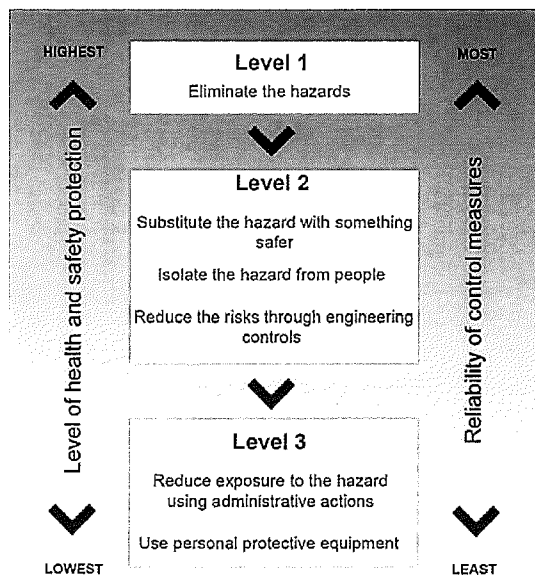
Substitution solution



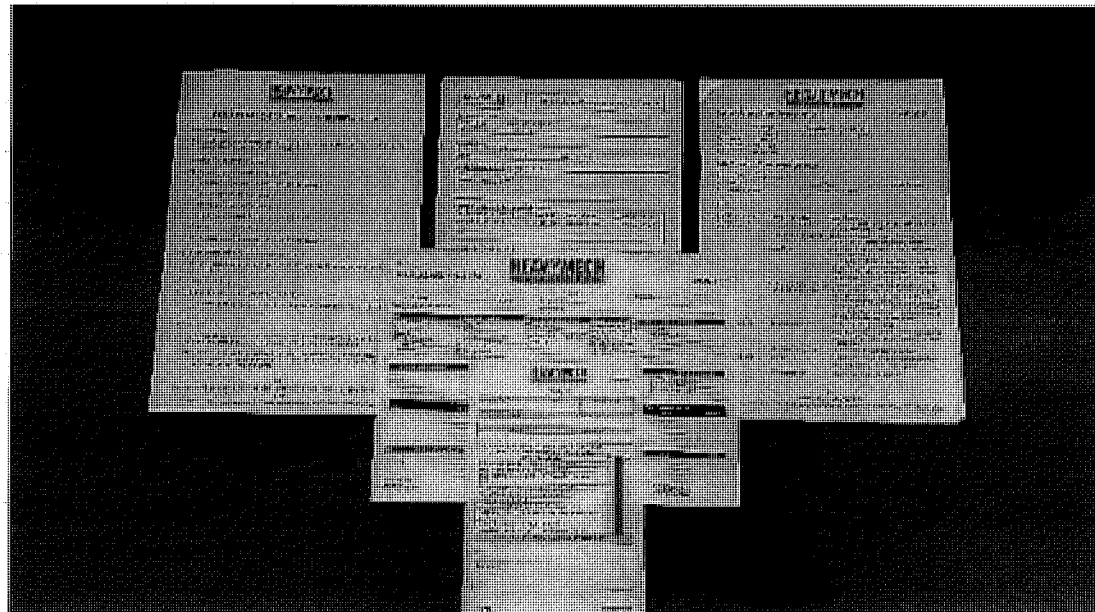
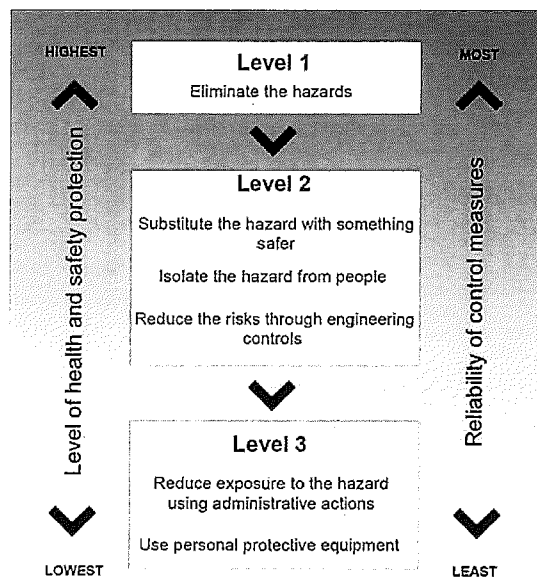
Isolation of the Hazard



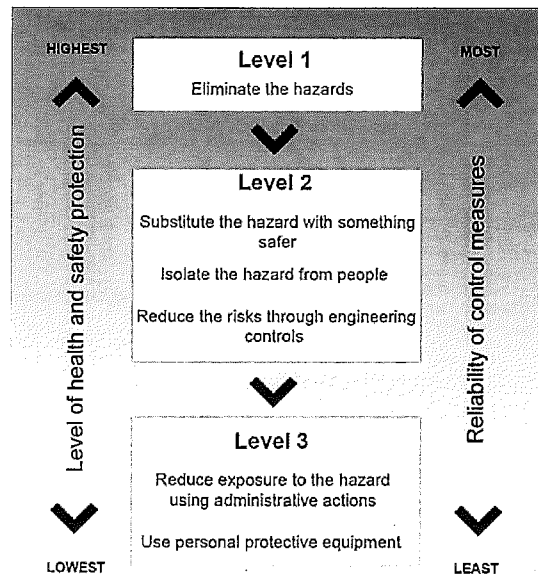
Engineering solution



Administration solution



PPE solution



Injuries can be life changing
¬ in a good way. When
you are working always
remember to:

- Step back, don't rush into the job or go into auto pilot
- Look and think – assess the hazards
- Consider the what if's and the line of fire

REMEMBER

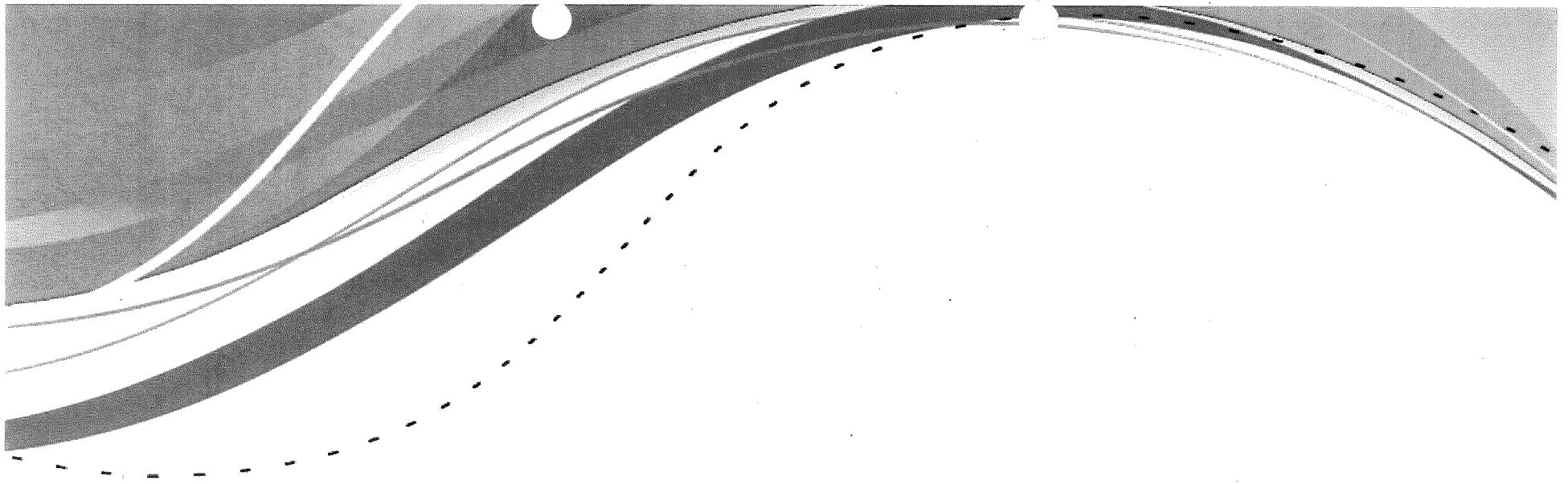
Just because it hasn't
happened doesn't mean it
wont happen.

And every chance you take, is
a gamble and every gambler
has a bad day. The stakes
could be your life.

Don't be the guy who's
in the wrong place at the
wrong time



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DISCUSSIONS OF EXPERIENCES

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