

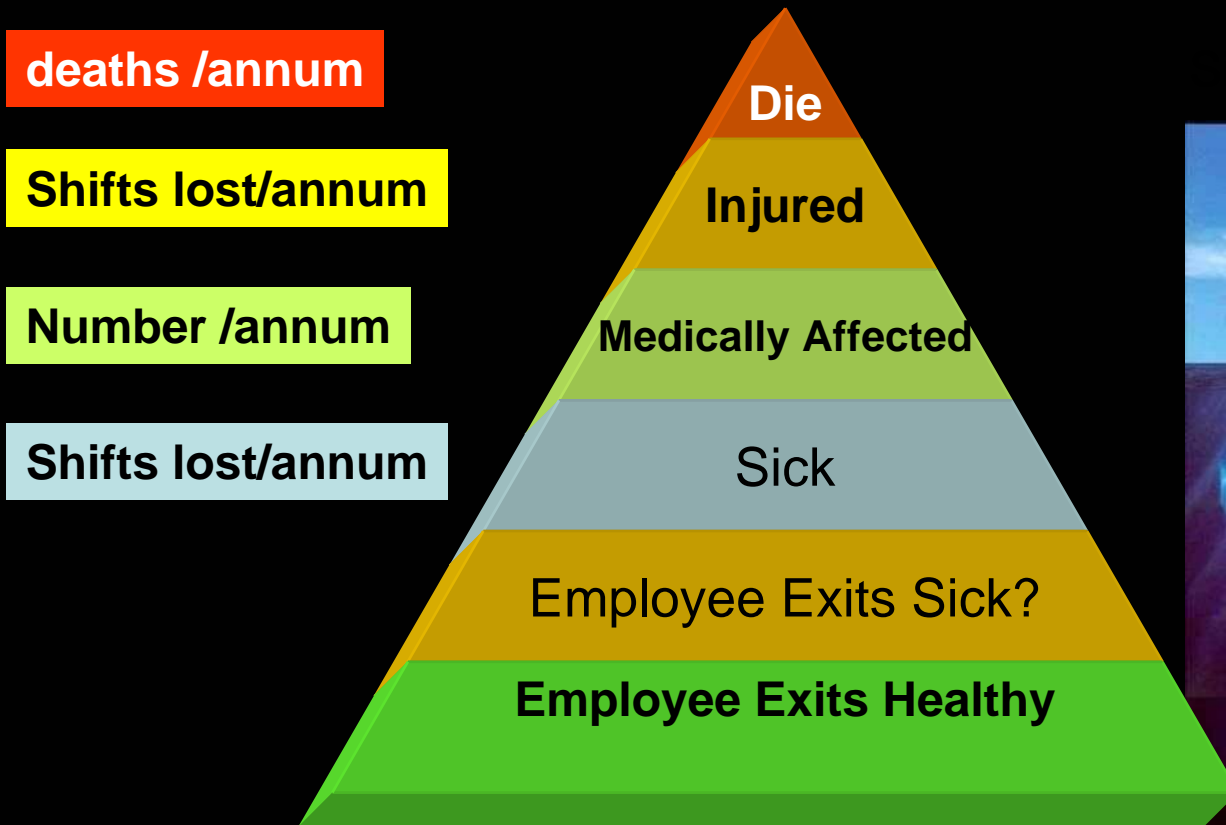


Wellness in the workplace

15 November 2006

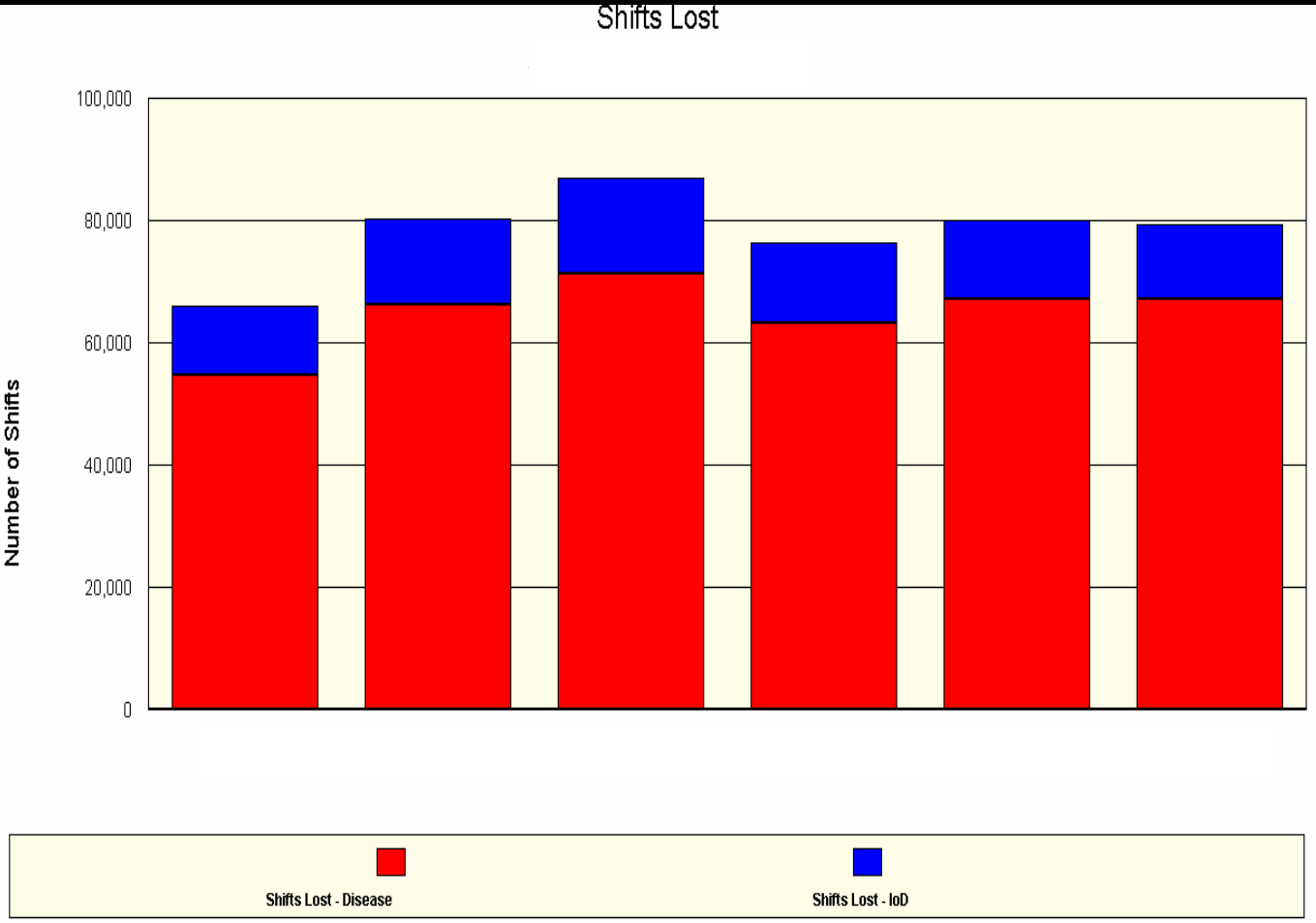
Presenter: Kobus de Jager

Wellness in the Workplace

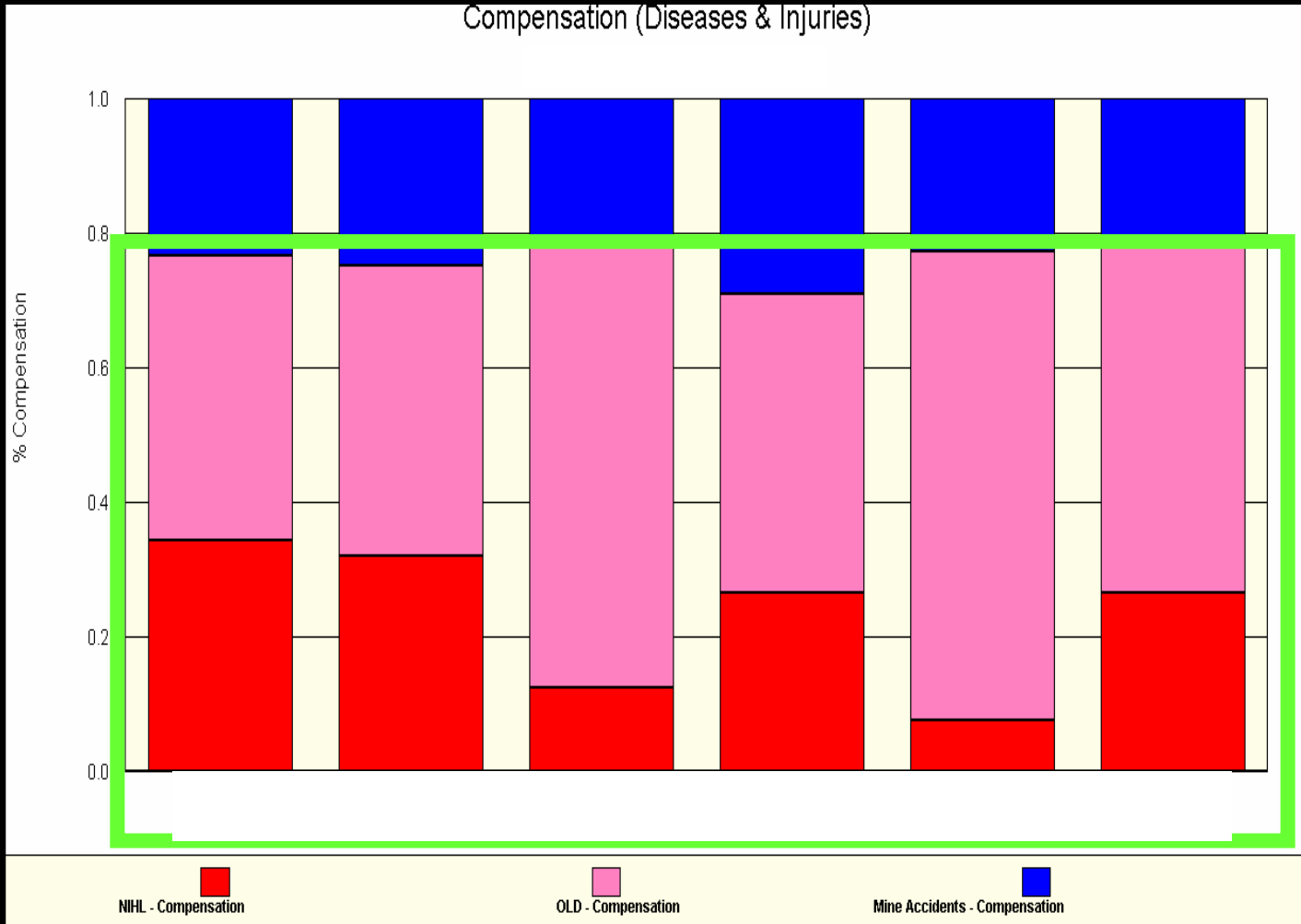


Do we know the Stats ?

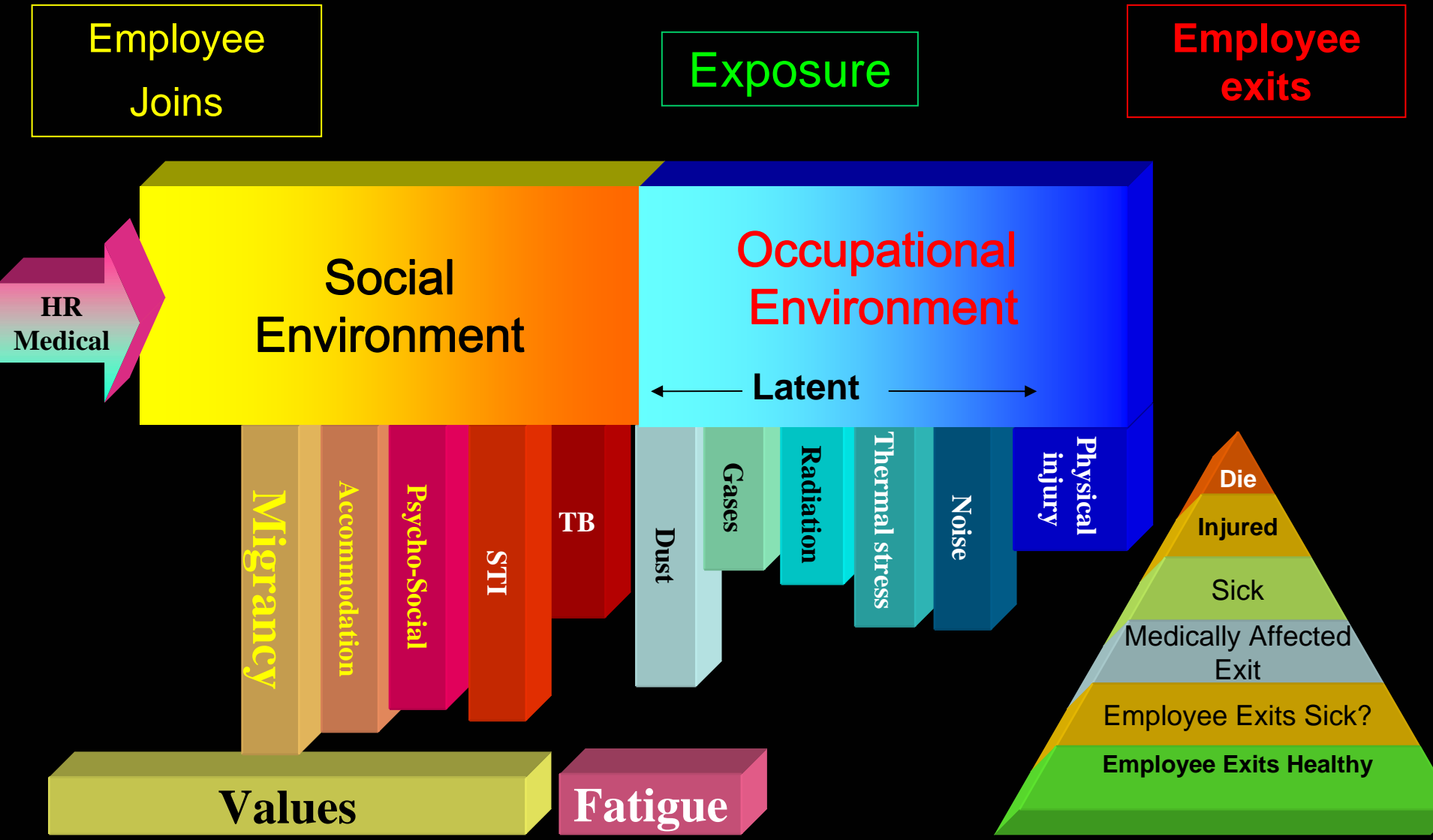
Shifts Lost



Compensation (Injuries & Diseases)



Wellness in the Workplace



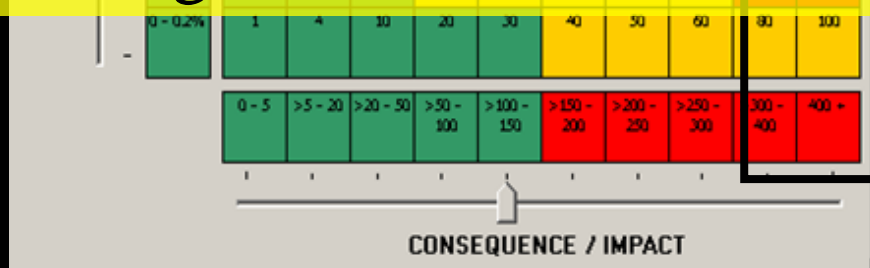
Risk Management Principles

LIKELIHOOD	50.01 - 100%	500	2000	5000	10000	15000	25000	MPL	50000
	25.01 - 50%	250	1000	2500	5000	7500	10000	12500	15000
	12.51 - 25%	125	500	1250	2500	3750	5000	6250	7500
	6.26 - 12.5%	62.5	250	625	1250	1875	2500	3125	3750
	3.13 - 6.25%	31.25	125	312.5	625	937.5	1250	1562.5	1875

MPL – Max Potential Loss “R”

RISK ASSESSMENT

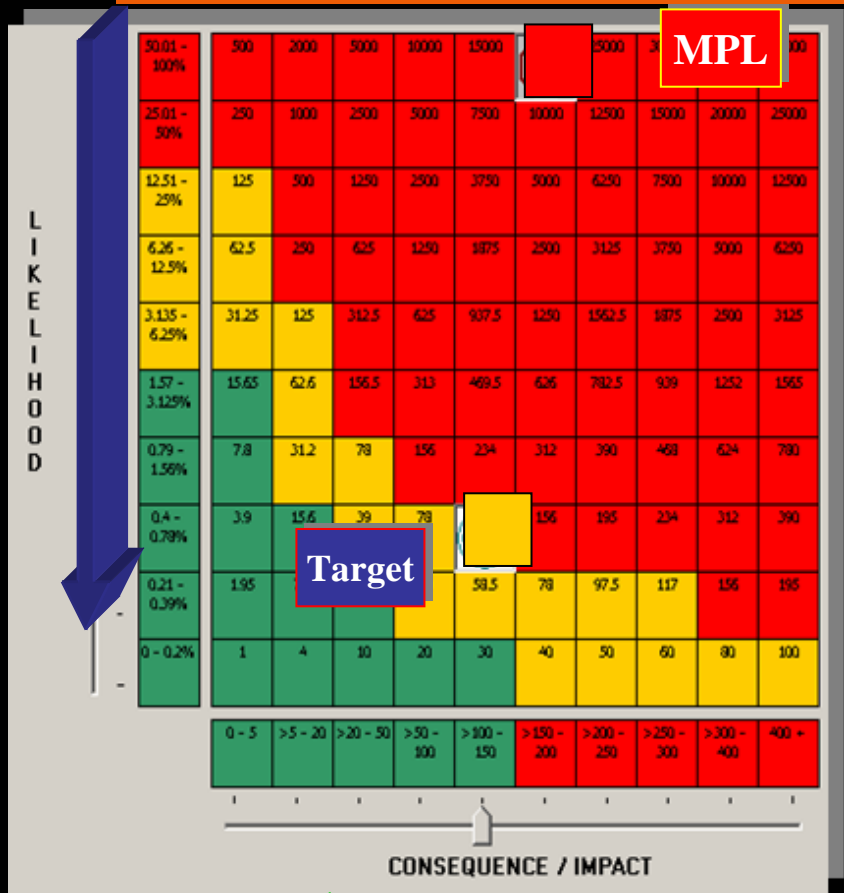
overall process of estimating the magnitude of risk and deciding whether or not the risk is tolerable



Risk Target to be achieved within a set time period (achievable) – ALARP

Risk Bearing Capacity

Risk Management Principles - Controls



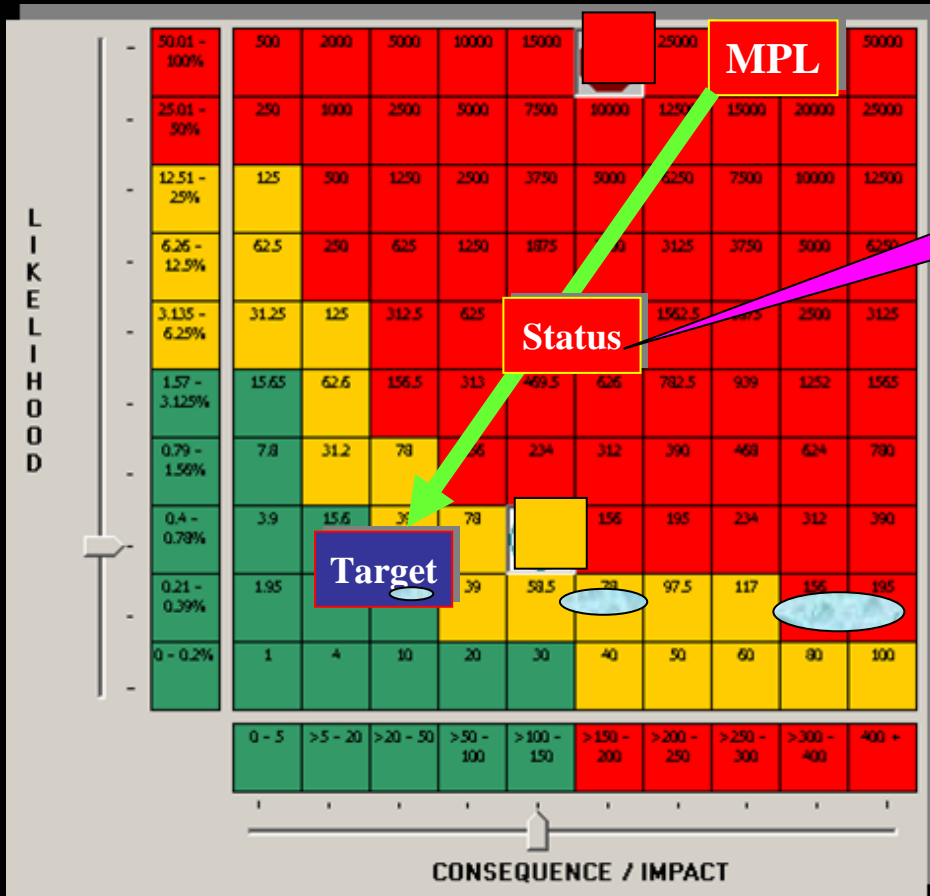
Controls to reduce likelihood before the event – to prevent the event/incident

- Control - 1
- Control - 2
- Control - 3
- Control - 4

Controls to reduce impact/consequence (After the event)

- Control - 1
- Control - 2
- Control - 3
- Control - 4

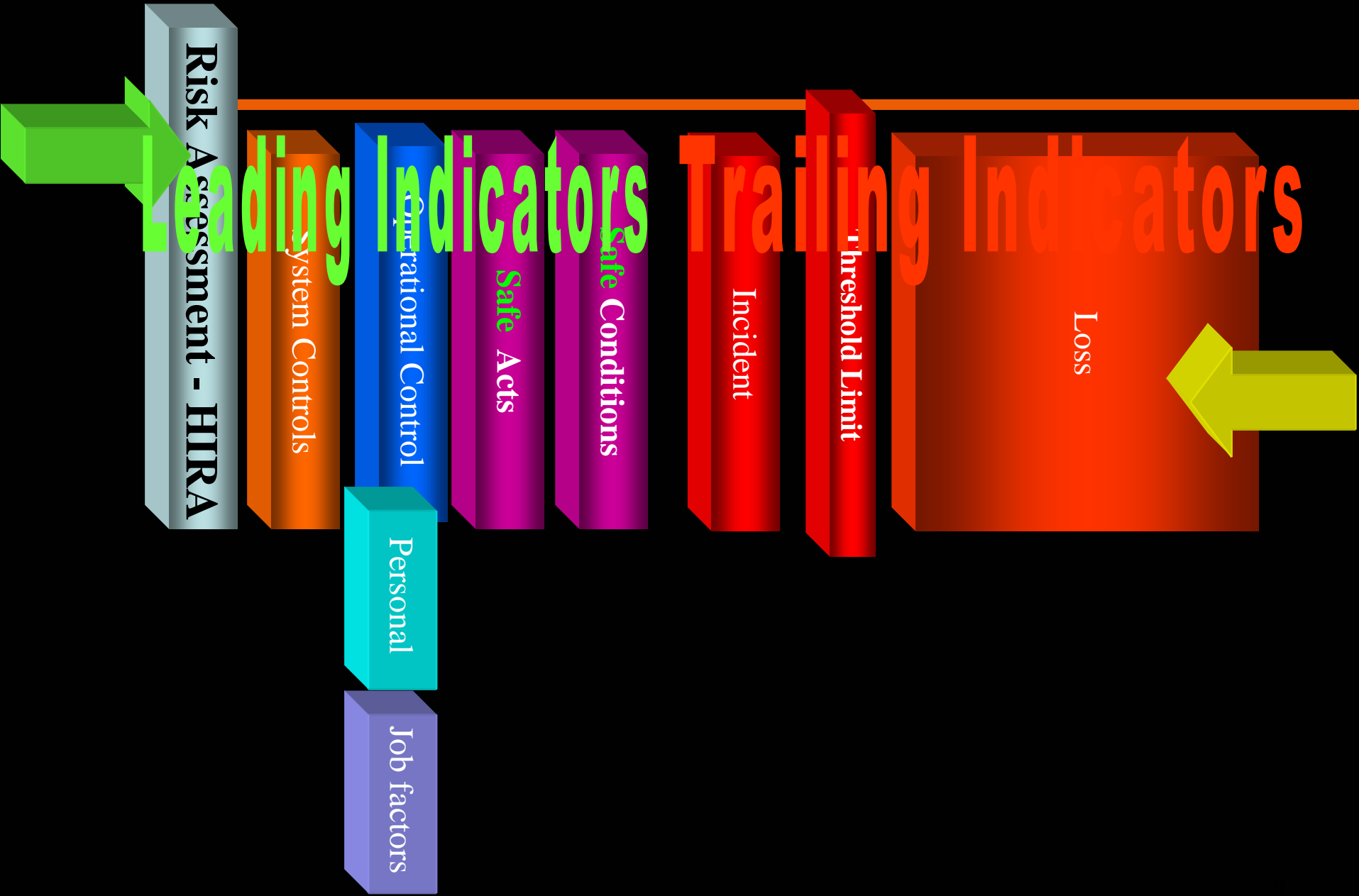
Failure to adhere to controls



'Real Residual Risk'

'Apparent Residual Risk'

Causation Model



Noise induced hearing loss

Prevention, Engineering
Design, Attenuation

Hearing protection

EFFECT

- Noise induced hearing loss

Threshold Limit

85dBa

Incident

Exposure to noise +85dBa

Unsafe Conditions **Noisy Environment**

Unsafe Acts **Failure to attenuate**

Operational Control

System Controls **COP, Purchasing,
Medical Surveillance**

Risk Assessment **NOISE**



Noise induced hearing loss

Paper

to

practice

Risk Assessment **NOISE**

System Controls **COP, Purchasing,**
Medical Surveillance

Operational Control

Unsafe Acts **Failure to attenuate**

Unsafe Conditions **Noisy Environment**

Incident **Exposure to noise +85dBa**

Threshold Limit **85dBa**

Effect

- Noise induced hearing loss

Snr management

Middle management

Individual

Occupational Lung disease

Prevention, Engineering Design, Filtration

Respiration protection

Effect
Occupational Lung disease



Threshold Limit

0.1 mg/m³

Incident Exposure to dust +0.1mg/m³

Unsafe Conditions Dusty Environment

Unsafe Acts Failure to Filter

Operational Control

System Controls COP, Purchasing, Medical Surveillance

Risk Assessment Dust



Occupational Lung disease

Paper

to

practice

Risk Assessment Dust

System Controls **COP, Purchasing,**
Medical Surveillance

Operational Control

Unsafe Acts **Failure to Filter**

Unsafe Conditions **Dusty Environment**

Incident **Exposure to dust +0.1 mg/m³**

Threshold Limit **0.1 mg/m³**

Effect

- Occupational Lung disease

Snr management

Middle management

Individual

Thermal Stress

Paper

to

practice

Risk Assessment Heat/Cold

System Controls **COP, Planning, HTS**
Medical Surveillance

Operational Control

Unsafe Acts **Failure to reduce temp.**

Unsafe Conditions **Hot Environment**

Incident **Exposure to Heat +32.5deg C**

Threshold Limit **32.5deg C**

Effect

- Heat related illness

Snr management

Middle management

Individual

Radiation

Paper

to

practice

Risk Assessment Radiation

System Controls **COP, Design**
Medical Surveillance

Operational Control

Unsafe Acts **Failure reduce exposure**

Unsafe Conditions **Radiation**

Incident **Exposure to Radiation +50 mSv/a**

Threshold Limit + 50 mSv/a

Effect

•Cancer

Snr management

Middle management

Individual

Sexually Transmitted Infections

Prevention;
Education/ Behaviour

Condoms : Anti-retroviral

Risk Assessment STI

System Controls
'Selected Medical Surveillance'

Operational Control

Unsafe Acts

Taking a chance

Unsafe Conditions

Infected Partner

Incident

Sex with an infected partner

Threshold Limit

Virus transmission

Effect

Sexually
Transmitted
Infections



Sexually Transmitted Infections

Prevention is Behaviour based

Condoms : Anti-retroviral



Wellness in the Workplace

