

# QHSE

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# What is QHSE, HES, HSE?



# Зачем нам QHSE ?



# Agenda

PPE / СИЗ

Policy and standards / Политики и стандарты компании

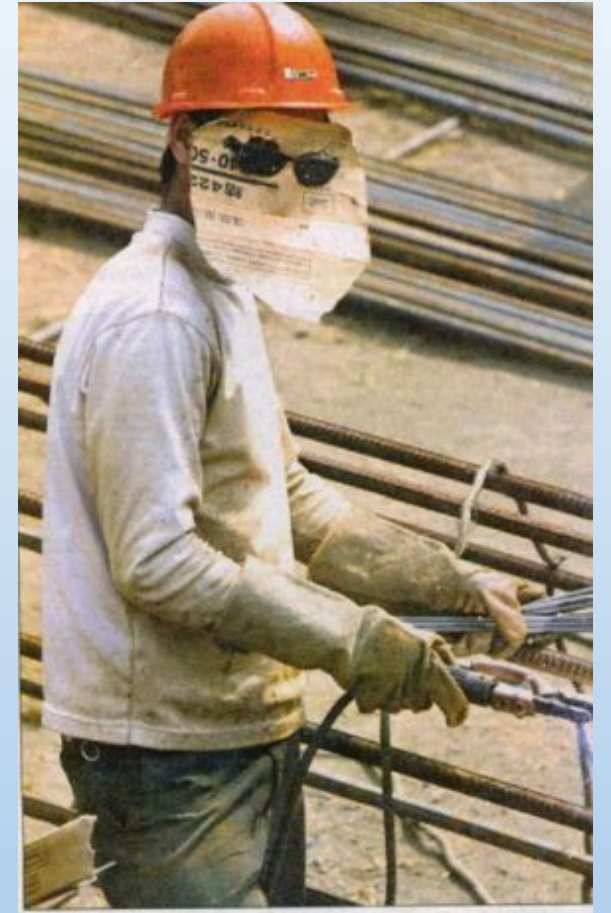
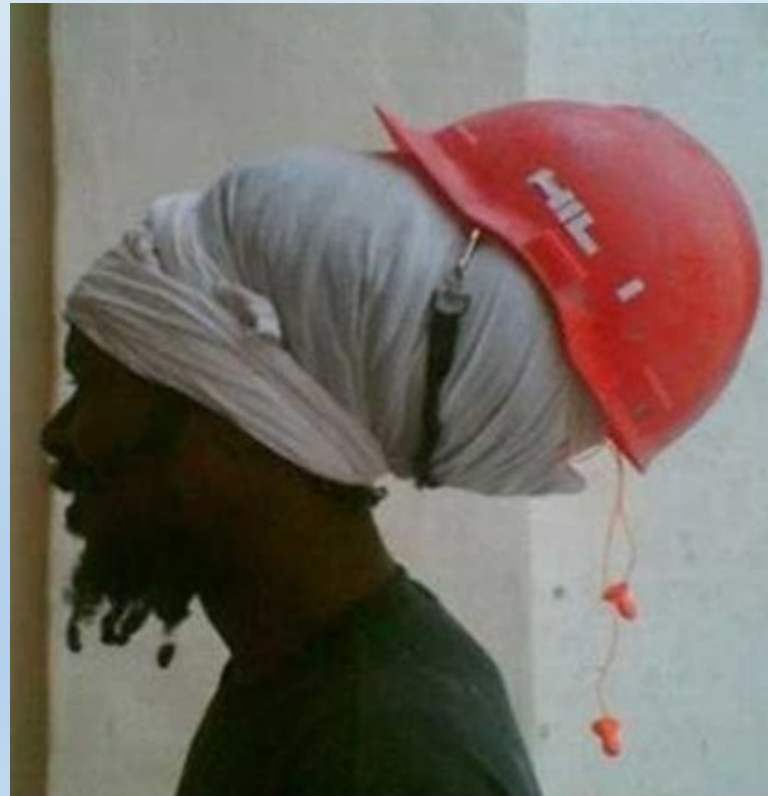
Personnel training / Обучение персонала

Event reporting , Investigation / Отчеты о происшествиях и расследования

Risk Indentification reports / STOP cards/BBS cards / Определение риска, СТОП карты

Hazard analys and Risc control / JHA / JSA - Анализ и контроль риска

# Bad PPE examples



# PPE / СИЗ

## Mandatory:

Hard hat

Coverall

Safety glasses

HI gloves

## Optional

R/A badge

Respirator

Ear Protection



# Policy and standards

A **policy** is a statement of principles to guide decisions and actions.

**Standard** - mandatory action or rule designed to support and conform to a policy.

**Procedure** - who does what, when they do it, and under what criteria.

**Guideline** - General statements, recommendations, or administrative instructions



# Example Policy and Standard (Examples)

## Policies

- Sexual Harassment Policy
- Employment Practices Policy
- Business Ethics Policy
- Confidentiality Policy
- Conflict of Interest Policy

## Standards:

- PPE
- Mechanical lifting
- Radiation
- Pressure



# Personnel training

First Aid

Fire fighting

HUET/BOSIET

H2S



# Event reporting / Investigation

## HSE Event (accident)

An undesired event which results in:

- Harm to people (fatality, occupational injury/illness)
- Damage to vehicles, assets, facilities
- Damage to the environment

## SQ Non-conformance

An undesired event which results in:

- Non productive time (NPT)
- Loss of revenue
- Failure in process delivery
- Failure of product
- Damage to reputation and potential loss of future work

All QHSE events and associated RWPs (remedial work plan) must be reviewed before closure by the appropriate line management as set in the following responsibility matrices.



# HAZARD and RISK / Опасность и Риск

A **hazard** is any source of potential damage, harm or adverse health effects on something or someone.

Basically, a **hazard** is the potential for harm or an adverse effect (for example, to people as health effects, to organizations as property or equipment losses, or to the environment).

Example : Wet floor (can cause Slips, falls), Electricity ( can cause Shock, electrocution)

A **risk** is the chance of something happening that will have a negative effect. The level of risk reflects:

- the likelihood of the unwanted event
- the potential consequences of the unwanted event.

-20 ≥ R > -25	BLACK	EXTREME:																																																						
-10 ≥ R > -20	RED	HIGH:																																																						
-5 ≥ R > -10	YELLOW	MEDIUM:																																																						
-2 ≥ R > -5	GREEN	LOW:																																																						
-1 ≥ R > -2	BLUE	INSIGNIFICANT:																																																						
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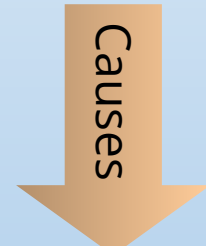
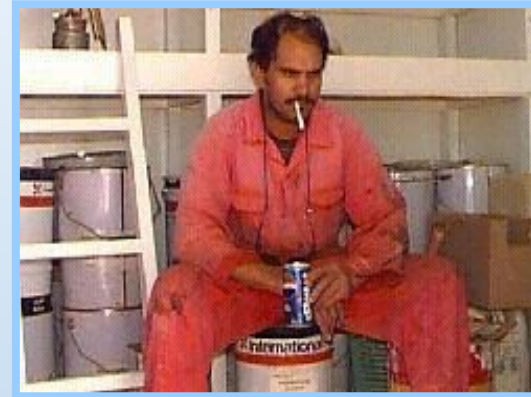
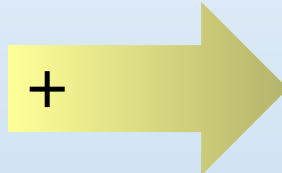
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# Hazard analysis and Risk control / JHA / JSA



# Hazard analysis and Risk control / JHA / JSA

## How do we reduce risk?

Step 1

Identify hazard

What are the hazards ?  
What could go wrong ?

Step 2

Assess risk

How likely is it to cause an  
accident ?  
How serious can it be ?

Step 3a

Implement prevention  
measures

Is there a better way ?  
Can Hazard be eliminated ?  
Can exposure be reduced ?

Step 3b

Implement mitigation measures

How do we limit effect ?  
How do we regain  
control ?

# Hazard analysis and Risk control / JHA / JSA

Example : Driving



Questions?