

# Health and Safety.... .....Business Value Enhancing or Overhead?

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Federation

# What is Health and Safety?

Is the public [and employee] perception of H&S something...

- |  |    |   |
|--|----|---|
| <ul style="list-style-type: none"><li>■ Can't do...</li><li>■ Not allowed to do...</li><li>■ Over bureaucratic rules and regulations....</li><li>■ Blocker</li></ul> | OR | <ul style="list-style-type: none"><li>✓ Protects the company, its staff and the public...</li><li>✓ Enables me to...</li><li>✓ Empowerment of staff...</li><li>✓ Value add...</li></ul> |
|--|----|---|

Oxford English Definition:

- regulations and procedures intended to prevent accident or injury in workplaces or public environments.

# What Does Health & Safety Mean to Employers?

- Identification of risk of potential harm to employees and / or the public
- Implement processes and / or procedures to mitigate the risk of potential harm
- In the UK, underpinned by the Health and Safety at Work Act 1974
  - Outlines the legal duties of Employers to protect staff and the public
  - Acts of Parliament [6], Regulations [45] plus Codes of Practice and Guidance notes with which employers have to comply

# UK Industry Statistics [2015/16]

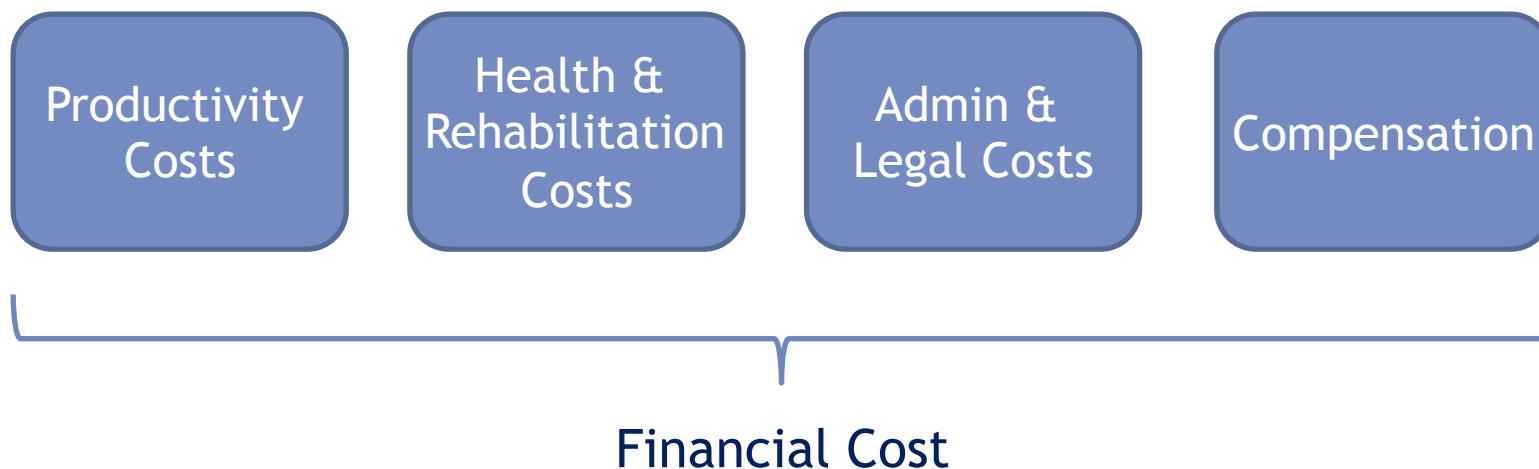
- **1.3 million** working people suffering from a work-related illness
- **144** workers killed at work
- **72,702** other injuries to employees reported under RIDDOR [c12% of total injuries]
- **621,000** total injuries occurred at work according to the Labour Force Survey
- **30.4 million** working days lost due to work-related illness and workplace injury
- **£14.1 billion** estimated cost of injuries and ill health from current working conditions (2014/15)

## UK Precast Statistics [2016]

- **Working people suffering from a work-related illness [not captured]**
- **1 worker killed at work [0.7% of UK total]**
- **135 other injuries to employees reported under RIDDOR [0.2% of UK total]**
- **2.5 million working days lost due to work-related illness and workplace injury [8.2% of UK total]**
- **£5.52 million estimated cost of injuries and ill health from current working conditions (2014/15) [0.4% of UK total]**

# Cost Definition

	Human Cost (£)	Financial Cost (£)	Total Cost (£)
Fatal Injuries	1,149,000	421,000	1,570,000
Non-Fatal Injuries	4,500	2,900	7,400
>7 days absence	18,200	10,300	18,500
<7 days absence	320	550	880



# British Precast Concrete Federation

## Primary Aims of the Federation

- Promote use of Precast Products across the industry
- Promote well being and safety of all members and associated staff
- Set standards for membership, demonstrating both quality, safety & competence
- Provide assistance to its membership in all the above aspects

# Health and Safety

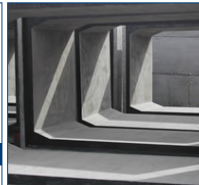
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**Mineral Products  
Health & Safety  
hub**



## Safeprecast App

Safer by competence

Best practice

Toolbox talks

Incident Alerts

Hot Topics

Guidance

Public Safety

Video Library

Other resources and  
suppliers

Theft alerts

Register for alerts

Improving Health &  
Safety standards -  
CHARGE



Guidance on  
managing dust & silica



MPA's Health and  
Safety Awards 2017  
Enter Now



Safer by Competence



Safer by Design

Voluntary guidance on  
health & safety  
features for mobile  
plant

Safer by Sharing and  
SHAD

View details of  
forthcoming health and  
safety seminars

Safer by Association

Site H&S evaluation &  
improvement

Safer by Partnership

Initiatives to support  
safer working &  
involvement with  
contractors

Sharing health and safety resources helps us all work towards Zero Harm

Aircrete

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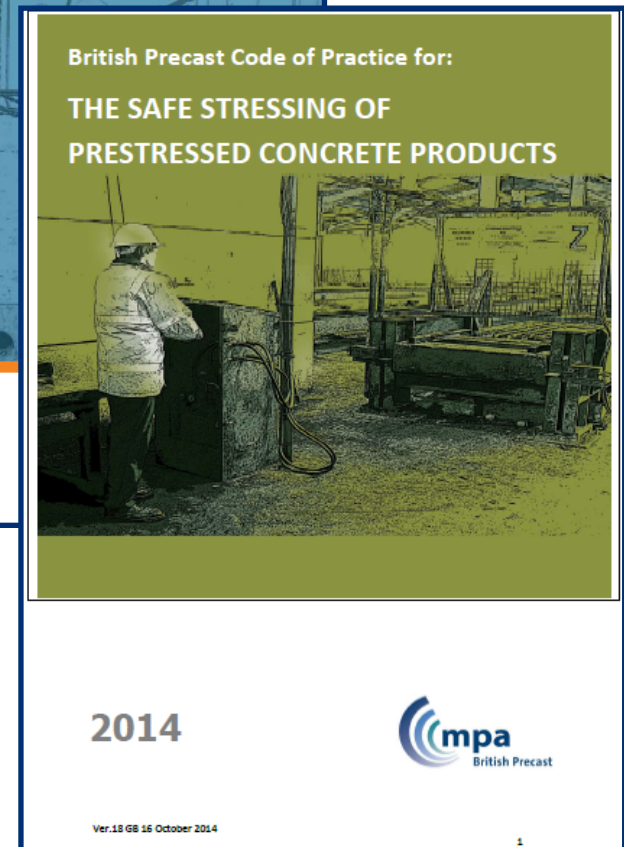
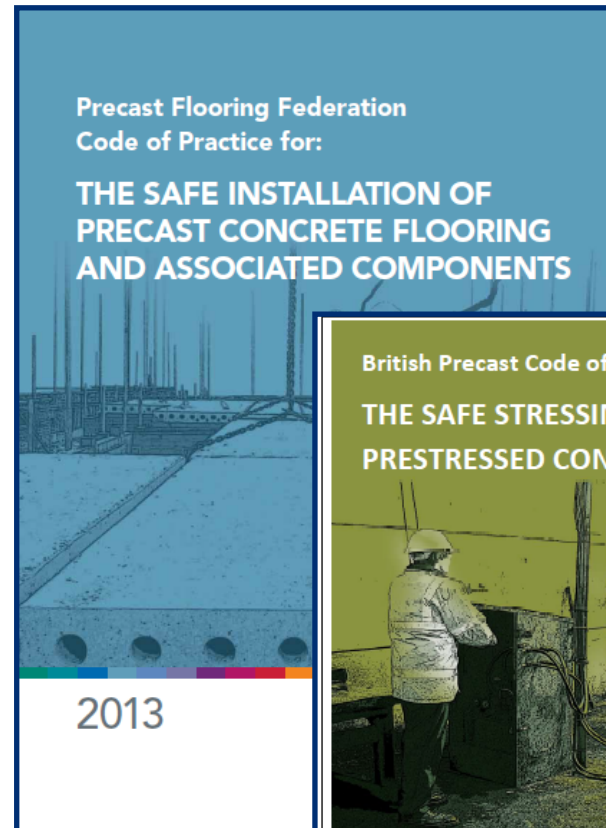
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App available  
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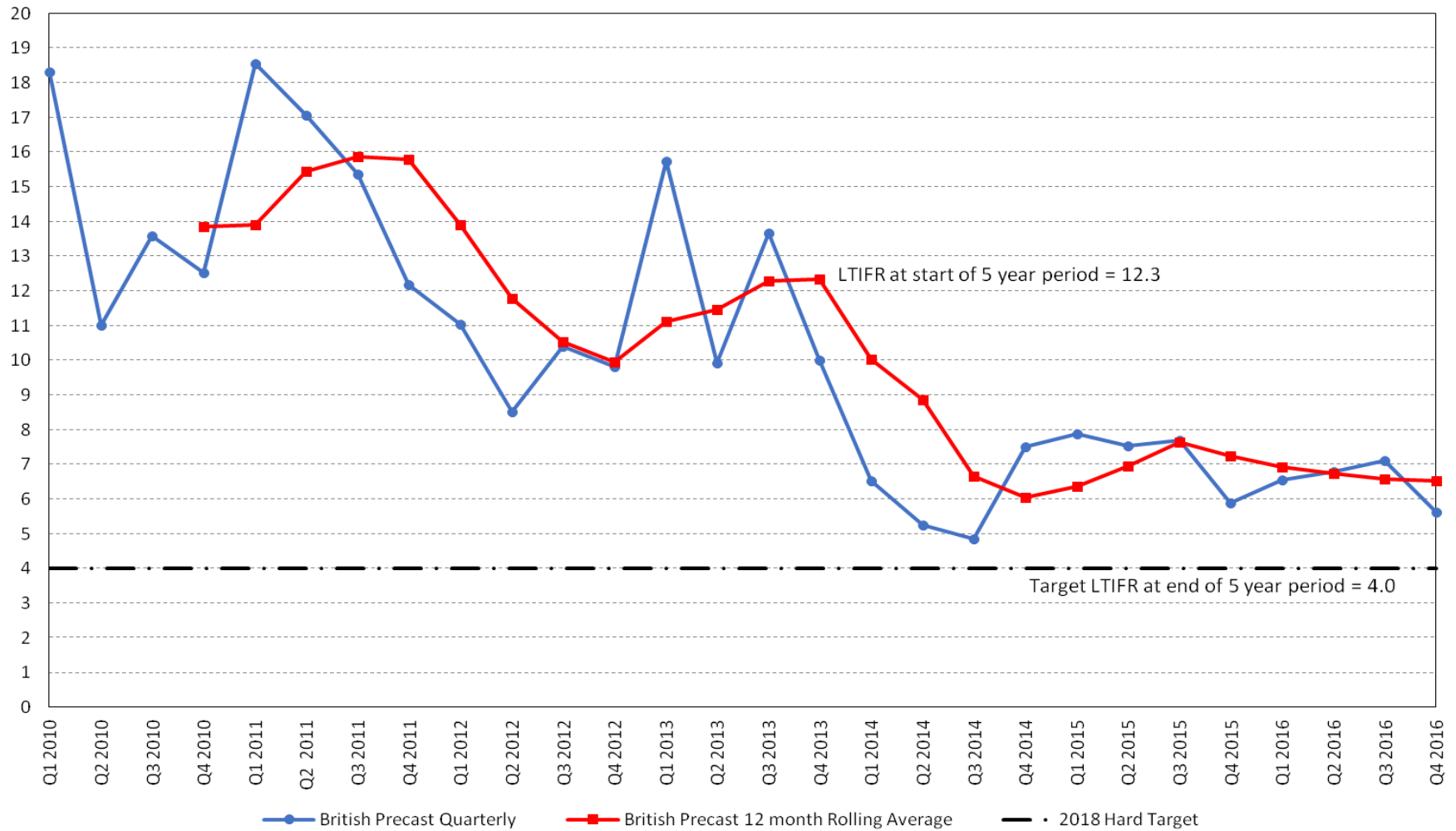


# HSE & BPCF

- Our product group, Precast Flooring Federation [PFF], working with government health and safety executive to endorse the Code of Practice for Safe Installation and Code of Practice for Safe Stressing



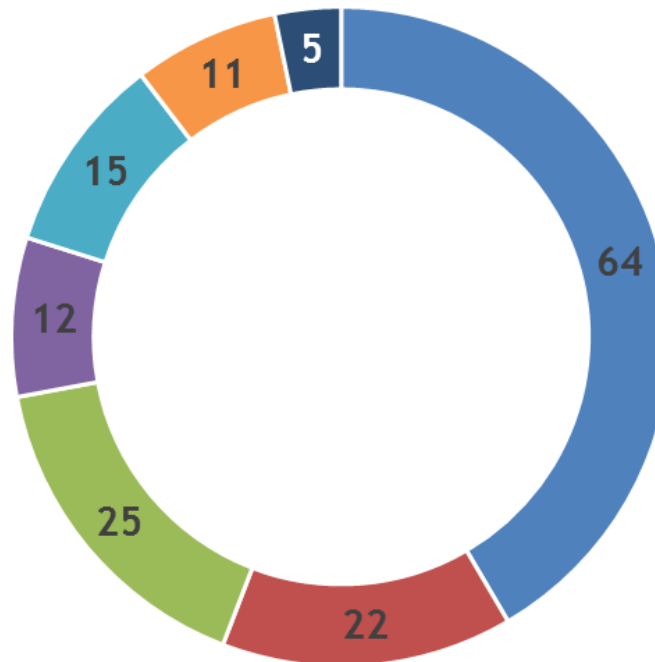
## British Precast Quarterly LTIFR Data



**Note:** LTIFR is the Lost Time Injury Frequency Rate calculated by  $LTI / 1,000,000$  man hours

Source: BPCF

## 2016 - Immediate Cause British Precast LTI



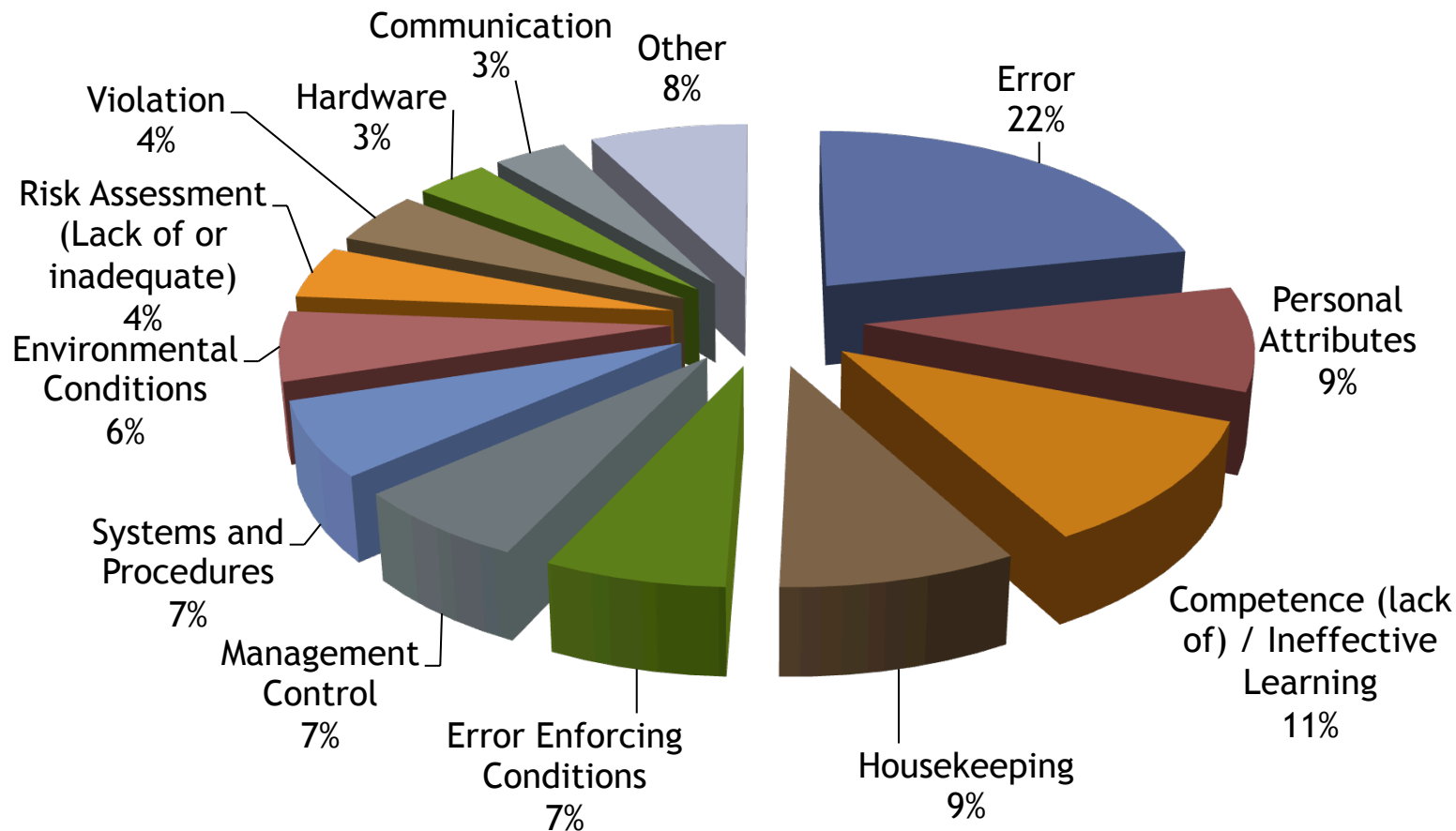
- Slip, Trip, Fall
- Handling, lifting, carrying
- Contact with moving machinery
- Exposed to substance
- Hit by moving, flying or falling object
- Another Kind of Accident
- Hit fixed object

## Simple Wins - Awareness [Slips, Trips & Falls]



## All British Precast LTI 2016

### Number of Root Cause Citations

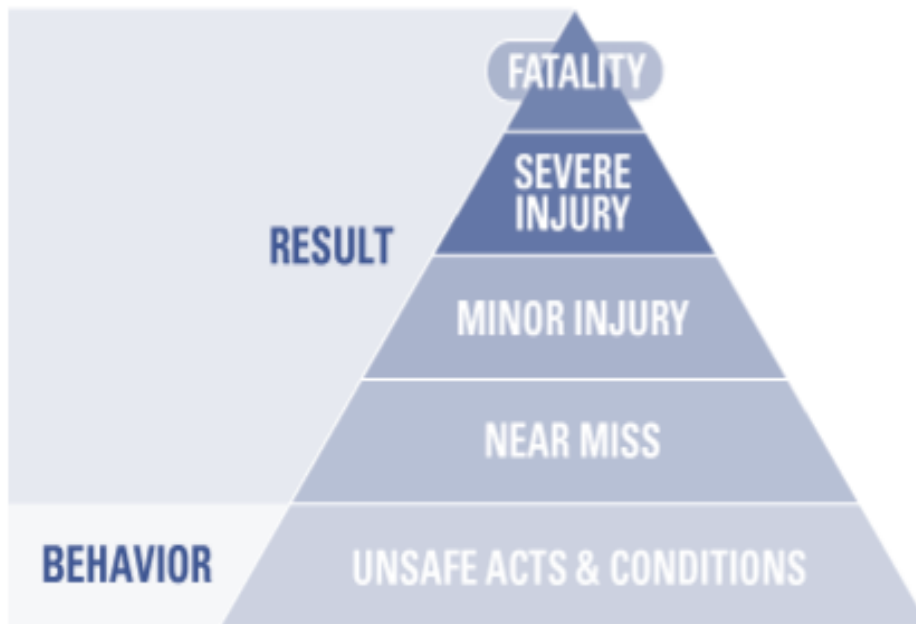



# Safer by Competence

Stage	Deadline	Summary
1	December 2016	Training needs will have been identified, training provided (either internally and externally) and employees signed off as having received training appropriate for their roles.
2	December 2017	Training needs will have been reviewed, and, if necessary, revised in terms of vocational qualifications (or similar) and aligned or linked to the latest National Occupational Standards wherever possible.
3	December 2018	If training needs were revised, then the associated training will have been updated and delivered to employees as required. Training to have external validation or accreditation.
4	December 2019	Employees will have been assessed for competence, i.e their ability to use their skills, knowledge, experience and training to perform their jobs safely. Employees should have gained a formal qualification, derived from the latest National Occupational Standards.



# Pro-Active Approach





## One Minute Risk Assessment

Task / Activity:

Location:

Assessor:

Date:

### Identify Hazards

Noise	Liquids	Lone Work	Electrical Energy	Moving Parts	Hot Work	Mobile Plant	Weather Conditions	Hazardous Waste
Vibration	Chemical	Confined Space	Mechanical Energy	Automated Machinery	Fire	Lifting Equipment	Lighting Levels	Inexperience
Temperature Extremes	Biological	Work at height	Hydraulic Energy	Workshop Machinery	Sharp Objects	Suspended Load	Unsuitable Ground	
Dust	Radiation	Unprotected Holes / Edges	Pneumatic Energy	Portable Electric Tools	Trailing Cable / Hose	Road Traffic	Fragile Surfaces	
Gases	Vulnerable Position	Trenches	Stored Energy	Hand Tools	Fume / Vapour	Manual Handling	Tripping Hazards	

### Who could be harmed?

Employees

No.

Contractors

No.

Visitors

No.

Public

No.

### How could they be harmed?

Noise Induced Hearing Loss	Drowning	Fall from height	Electric Shock	Cut, Bruise, Graze	Burn	Collision	Cold Exposure	
Hand Arm Vibration	Asphyxiation	Falling Equipment	Broken Bones	Flying Projectiles	Smoke/Fume Inhalation	Muscle Strain	Sunburn	
Whole Body Vibration	Scald	Mobile Plant Roll Over	Tangling	Limb Loss	Heat Exhaustion	Ligament Sprain	Dehydration	
Respiratory Irritation	Skin Irritation	Trapping	Crushing	Eye Injury	Loss of Consciousness	Joint Dislocation	Slip, Trip, Fall	

### Control Measures

Guards & Barriers	Team Work	Reduced Voltage Tools	Housekeeping	Permit To Work	Hard Hat & Chin Strap	Hearing Protection	High Vis Workwear	Gauntlets
Warning Signs	Atmosphere Monitoring	Mechanical Assistance	Reduced Exposure	Safe System of Work	Bump Cap	Respiratory Protection	Insulated Clothing	Safety Boots
Ventilation	Isolation Procedure	Traffic Management	Close Supervision	Permission To Proceed	Safety Glasses	Suitable Access	Waterproof Clothing	
Harness & Lanyard	Electrical Safety Device	Bankman	Rescue Plan	Specific Training	Goggles / Face Shield	Flame Proof Overalls	Task Specific Gloves	

MEDIUM

Are risk controls adequate?

Yes

No

DO NOT PROCEED seek advice

RISK LEVEL

Low

PROCEED

HIGH

Can the risk level be reduced?

Yes

No

DO NOT PROCEED seek advice

Identify additional controls



# Health and Safety - “Health”

- Work Place Injuries
- Occupational Health
  - Muscular Skeletal Disorders
  - Deafness
  - Blindness
  - Hand Arm Vibration
  - Occupational Respiratory
  - Stress
  - Mental Health





# Customers

- Increased focus on sustainability, including Health and Safety performance for site AND supply chain
  - Audit and accountability of supply chain now common

Tenderer	Technical (30%)	ESH&Q (10%)	Project Management (20%)	Total Technical (60%)	Comm Scores (40%)	Total Combine (100%)	Rank
XXX	a	b	c	d	e	f	g

Red Line

# Conclusions

- Precast business success is dependant on the supply of quality Products & Services, competitively priced based on;
  - competent, well trained and motivated staff
  - Optimised overhead, with minimal staff absence
  - Demonstrable safe working environment