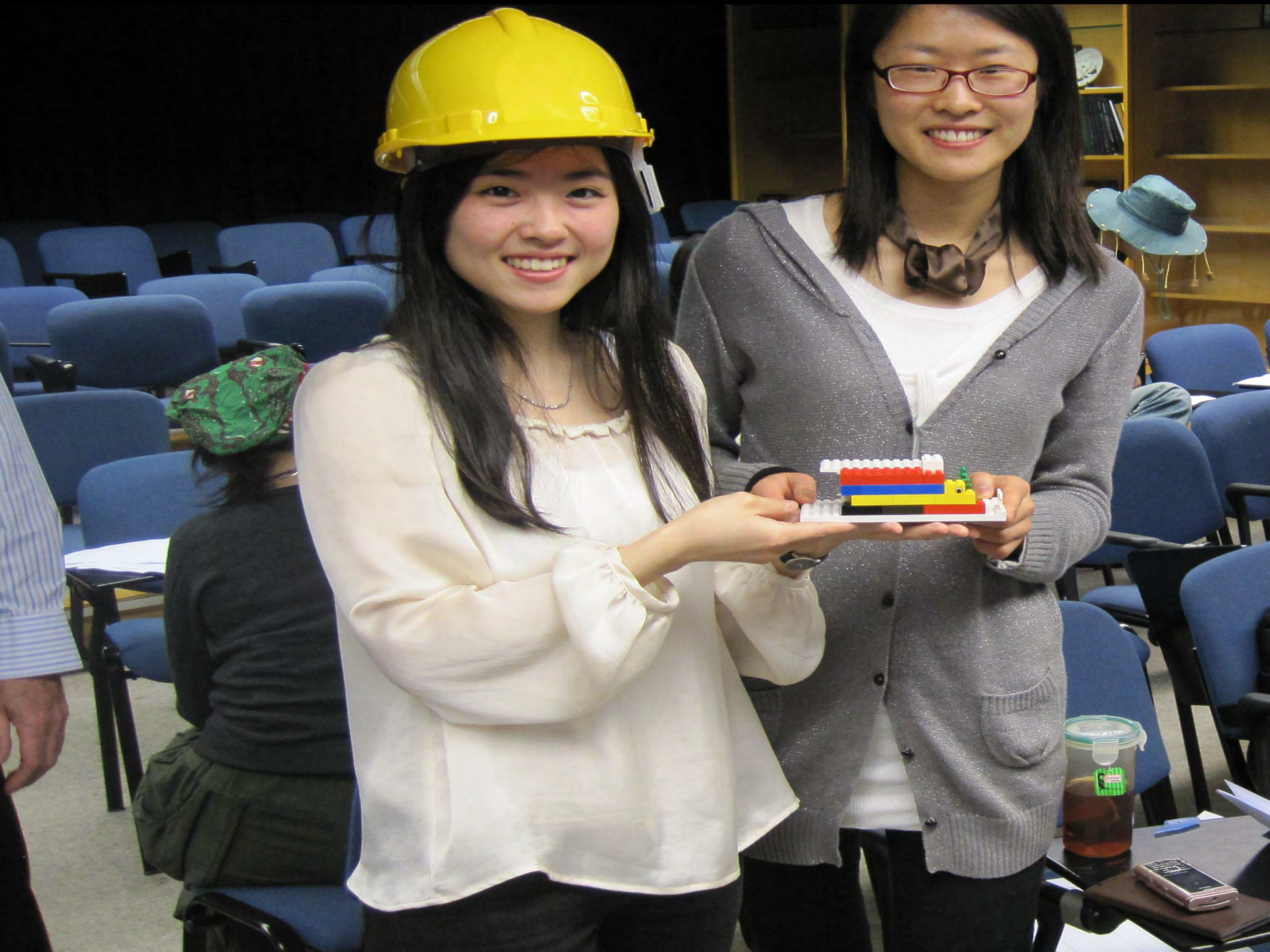


Since Tang.....school report

Prof Steve Rowlinson
Dept of Real Estate & Construction
HKU





BIM

Is not the answer

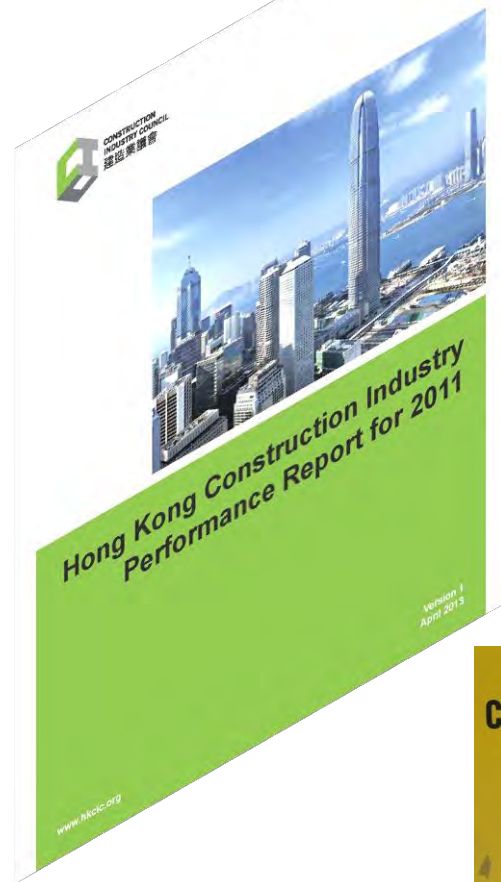
Success?

- Procurement
- Productivity
- Sustainability
- Innovation
- Environment and energy
- Safety, health and well being

IPD

- ECI
- Alliancing
- Relationship management
- Partnering
- BIM
- PPP
- NEC

Performance

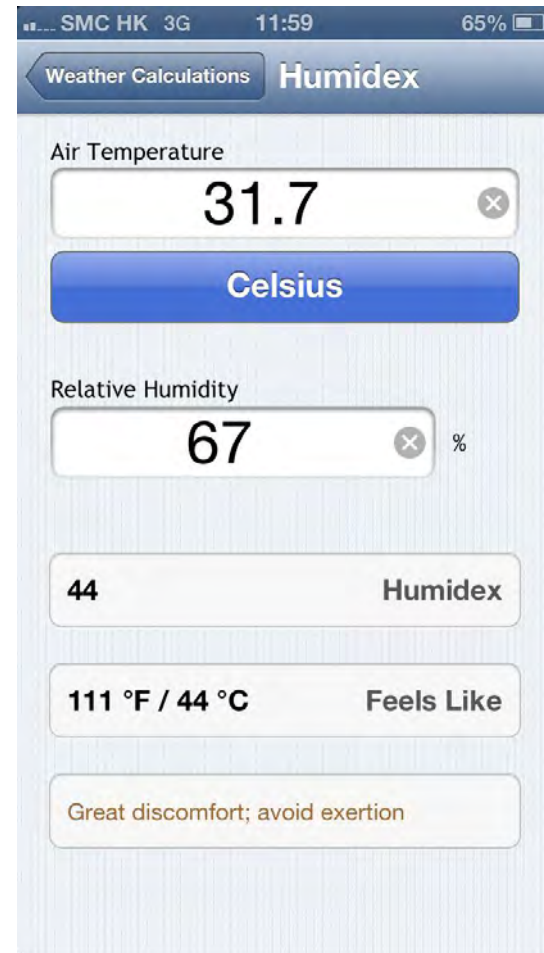


“What gets measured gets done”



Productivity
OHS
Environment
Manpower
Dispute resolution
Energy
Waste

Innovation



Traditional Construction



Mechanised Construction



Modularized Access System



Safety Communication - Training

Prototypes for Training

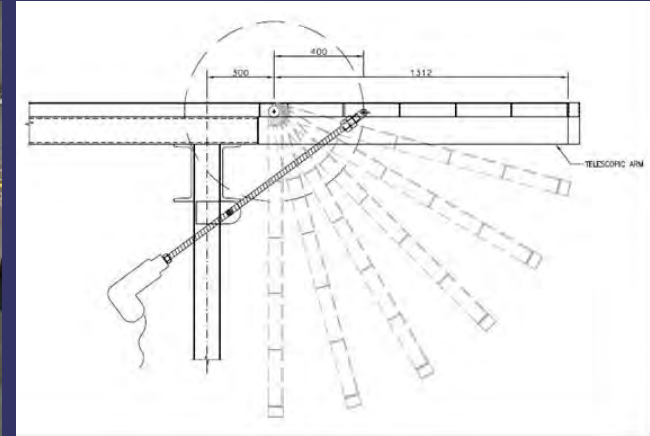
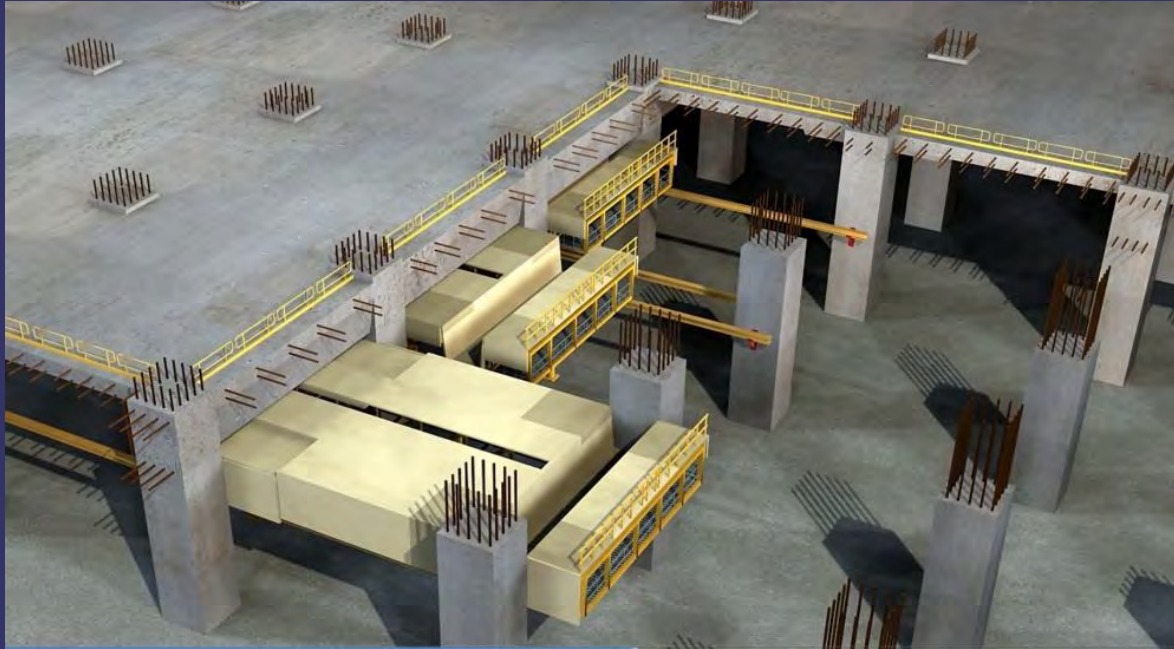


MTR XRL810A



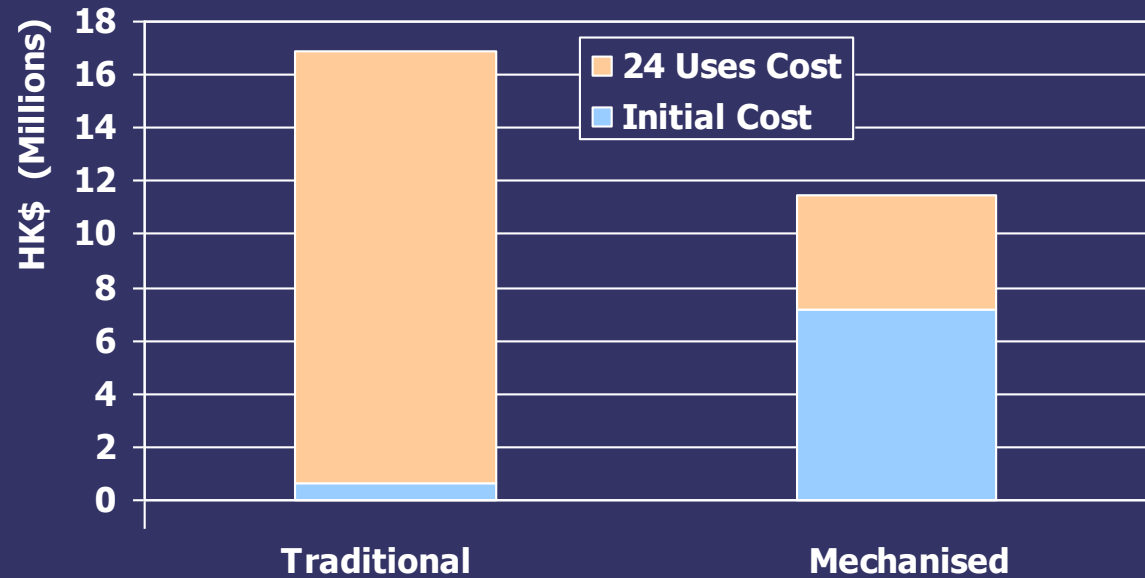
Cathay Pacific Cargo Terminal

Elimination of Risk – MTR 810A



Eightfold Increase in Safety

Cost Comparison



Less time
&
Less labour
=
More Safety

	Traditional	Mechanised	Comparison
Days / use	27	7	1/4 of time
Labour (man hrs / use)	110	50	1/2 of men

8 times less man hours for same construction

Issues

- Labour
- Age
- Health & well being
- CIC
- CDM
- Zero accidents
- Safety climate
- Alcohol & drugs
- Energy
- Off site prefabrication
- Attractiveness
- Respect for people
- Constructing excellence
- CDMi
- Zero Harm
- Self regulation
- Testing pre, after, random
- Carbon labelling

Safety

- FIUO

- EC

Engagement

- Through health and well being
- A safe site is a profitable site

- Zero Harm
- Health & Safety





Safety starts with me



Don't walk by



ENTER AREA ZONE

合適的個人防護裝備
Appropriate Personal Protective Equipment

由鏡中的你做起
Start at your Safety Advisor



Safety Helmet
安全帽

Protective Goggles
防護眼鏡

Reflective vest
反光衣

Safety Shoe
安全鞋

Safety Water Boot
安全水鞋

Protective Gloves
防護手套

GET HOME SAFELY, EVERY DAY.

iSafe

Critical Task
重要工序



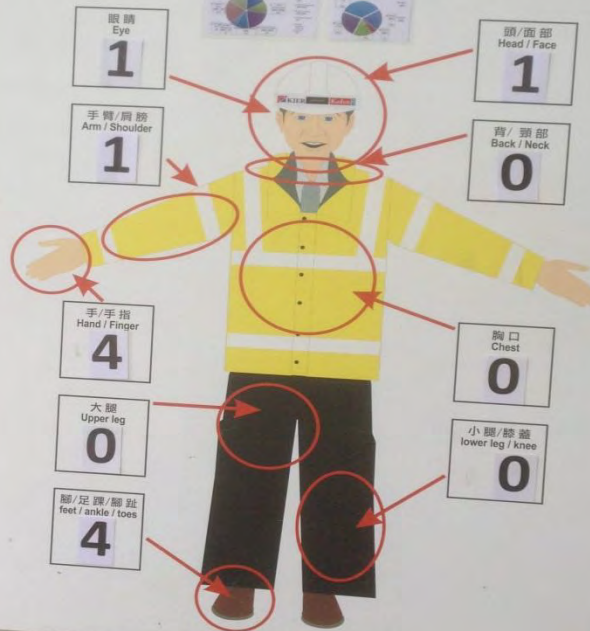
Use Footpath
Don't Walk on Vehicle Area
必須使用行人通道
禁止在車路上行走

安全工作 平安回家 WORK SAFE HOME

MTR 901

意外受傷部位 Accident Man

本月急救事故 4月 Apr
First aid Instances this month:
本年急救事故 2013
First aid Instances this year:



Kaden 基利



FE



危害/
Hazards

高空工作 (Work at Height)

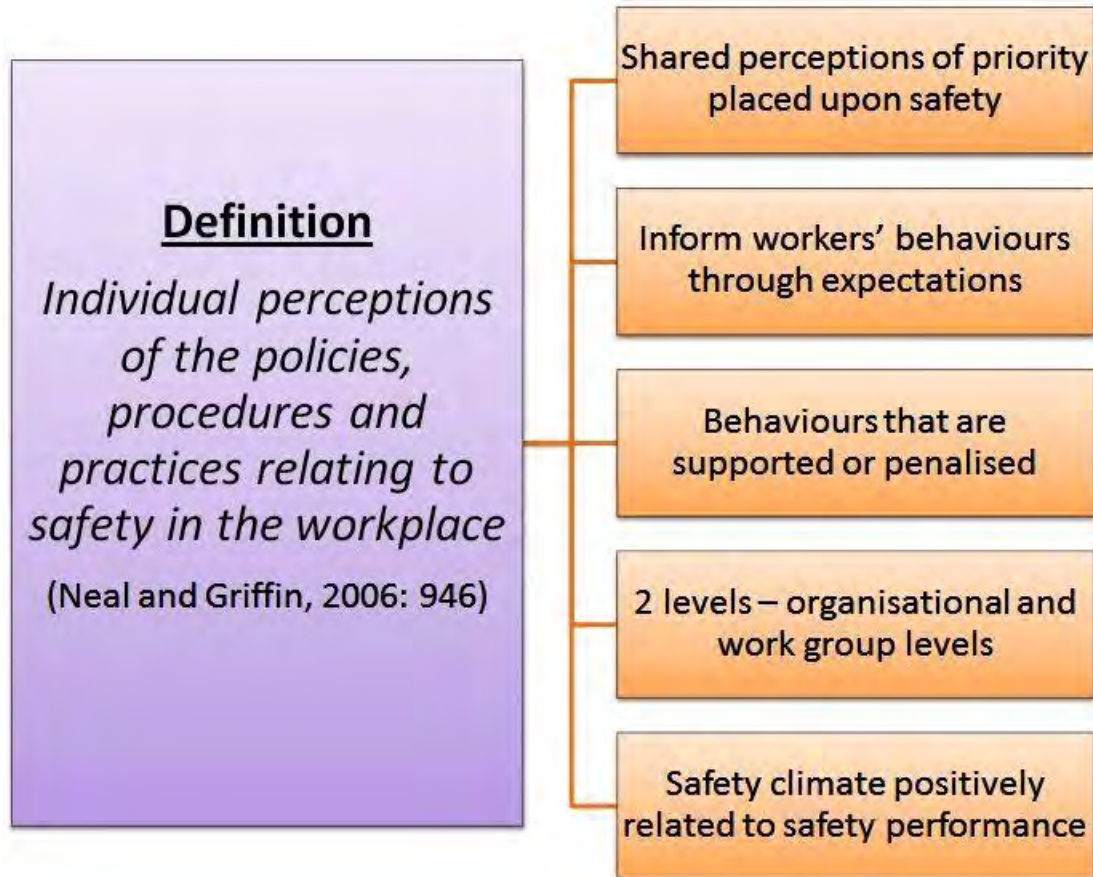
交通控制 (Traffic Control)

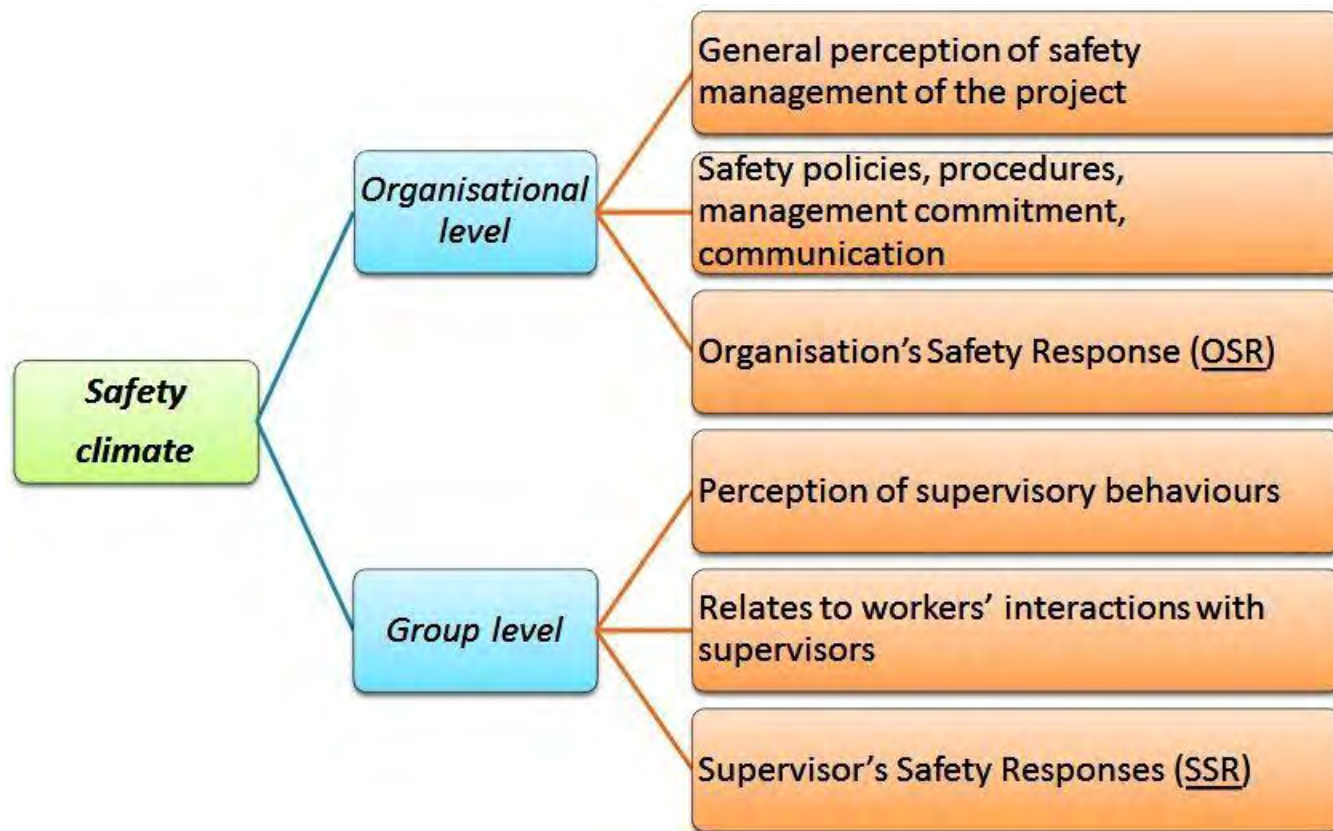
吊運工序 (Lifting)

挖掘 (Excavation)

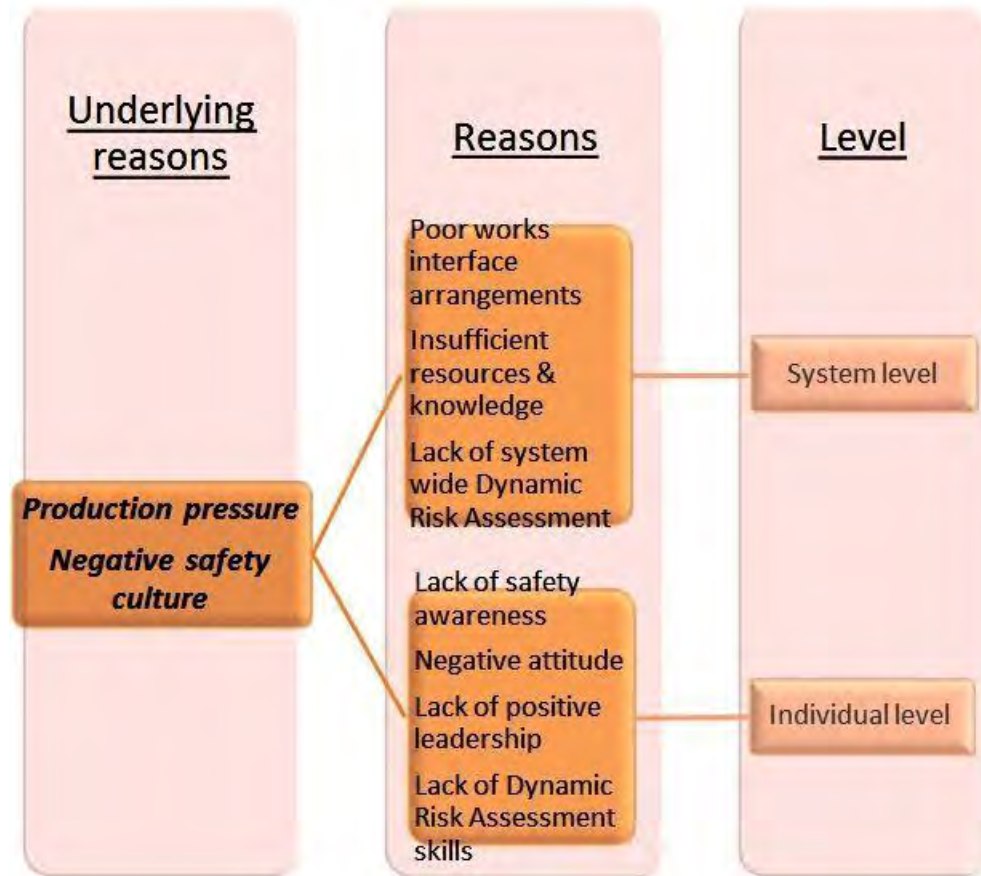
密閉場地 (Confined Space)

Safety Climate

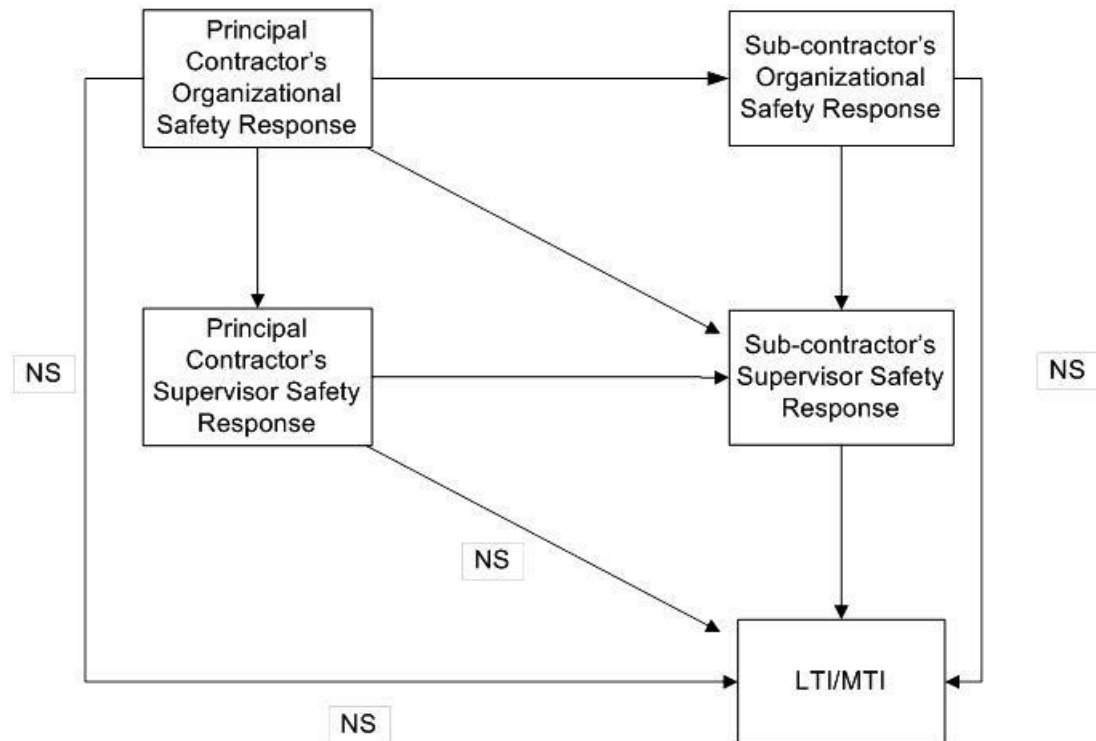




Safety Leadership



The linking pin



Targets



A sustainable industry