

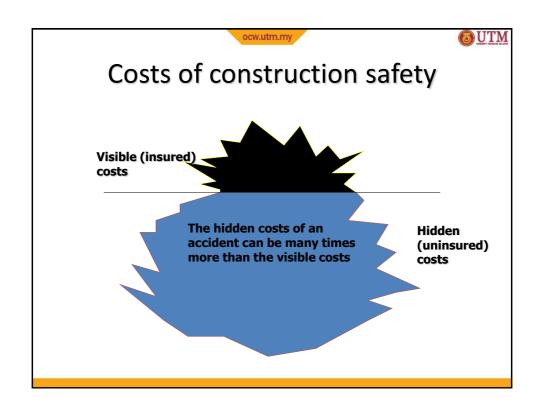






Costs of construction safety

- Annual accidents cost in the construction industry is very high.
- The cost can be characterised as 'accident iceberg'.
- The tip of the iceberg reveals visible an tangible costs.
- The submerged bulk of the iceberg harbours a great many hidden and often indeterminate financial implications.





Costs of construction safety

- · Accidents cost
 - One organisation as much as 37% of its annual profits
 - The equivalent of 8.5.% of the project's tender price
 - 5% of its annual running cost
- Irrespective of how accident cost might be quantified the simple fact is that accidents cost a lot to the economy and most importance is the cost in human terms that cannot and should not put a price on a life

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Costs of construction safety

- Visible cost (insured costs)
- The costs which an organisation is normally insures
- Include:
 - · Employer's liability
 - Public (third party) liability
 - Damage to property



Costs of construction safety

- Hidden cost (uninsured costs)
- The costs which far exceed the cost which are insured
- Include:
 - Investigation costs
 - Legal cost
 - Fines
 - Loss of reputation and image
 - · Loss of business and goodwill

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Costs of construction safety

- Sick pay
- Loss due to damage of materials, plant and equipment
- Replacement and repairs
- Production schedule disruption and delays
- · Additional resourcing

"MOST ACCIDENTS WERE AVOIDABLE"



The Hidden Costs

Insured Costs -- covering injury, ill health, damage. Hidden Uninsured - 8-36 times as much as insured costs

- 1. Product and material damage
- 2. Plant and building damage
- 3. Tool and equipment damage
- 4. Expenditure on emergency
- 5. Fines
- 6. Legal costs

- 7. Investigation time
- 8. Supervisors time diverted
- 9. Clerical Effort
- 10. Overtime working
- 11. Temporary labour
- 12.Loss of expertise / experience supplies
- 13. Clearing site
- 14. Production delays





Incident Prevention Costs

- **DESIGN COSTS** (e.g to install machine guards)
- **OPERATIONAL COSTS** (training costs, PPE, etc.)
- <u>SAFE GUARDING THE FUTURE COSTS</u> (health surveillance, audits etc)

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Cost- Benefit Analysis Of Control Measures

 <u>Compare</u> specific incident costs with cost of specific improvement being suggested.



