

Construction (Design & Management) Regulations: PtD survey of UK and UK experience

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*Linked to: Findings from the overall PtD in the UK study and
their application to the US*

John Gambatese, PhD, Oregon State University

Background



- Part of NIOSH NORA PtD study
 - Project 1 – Benchmarking Management Practices related to PtD in the US and UK
 - Activity 2: Assess the Effects of PtD Regulations on Construction Companies in the UK
- Project leader: John Gambatese, Oregon State
- Collaborators:
- Team:
 - John; Alistair; Mike Behm;
Phil Bust; Charlotte Brace.





Designers prosecuted BEFORE CDM

- 1981 Carsington
- 4 confined space fatalities
- Health and Safety at Work Act (HSWA) 1974 Section 6(1)
- duty of any person who **designs**, manufactures, imports or supplies any article for use at work



Designers prosecuted BEFORE CDM – HSAW 1972

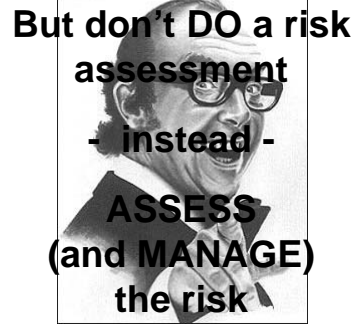
- So far as is reasonably practicable, that **the article is so designed and constructed that it will be safe and without risks to health at all times** when it is being set, used, cleaned or maintained by a person at work;
- Perform testing and examination... to ensure safety;
- Take steps as necessary to secure that persons supplied with the article are provided with adequate information about the use for which the article is designed, or has been tested, and about any conditions necessary to ensure that it will be safe and without risks to health at all times, including when it is being dismantled or disposed of;
- Take steps as necessary to secure, so far as is reasonably practicable, that persons are provided with all such revisions of information as are necessary by reason of its becoming known that anything gives rise to a serious risk to health or safety.



ERIC

- Eliminate
- Reduce
- Inform
- Control

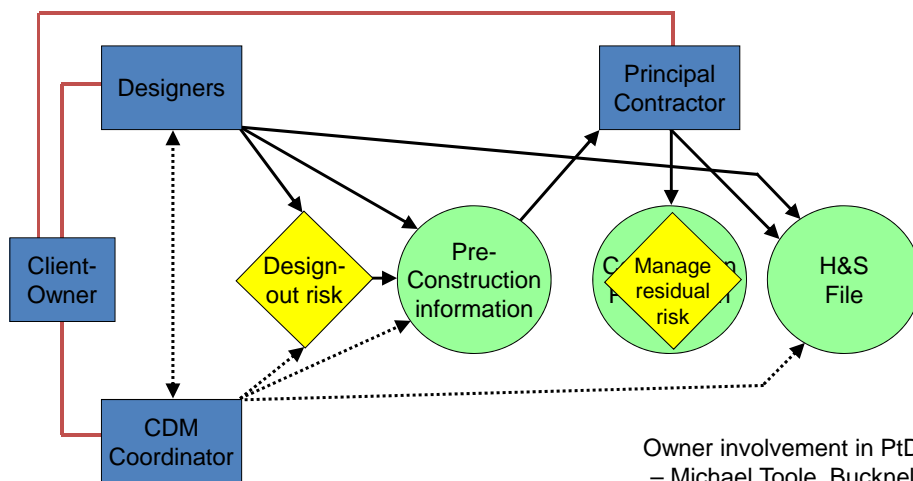
Designers are the only ones who can **ELIMINATE** hazards



PS – PPE should be WAY DOWN at the bottom of the list

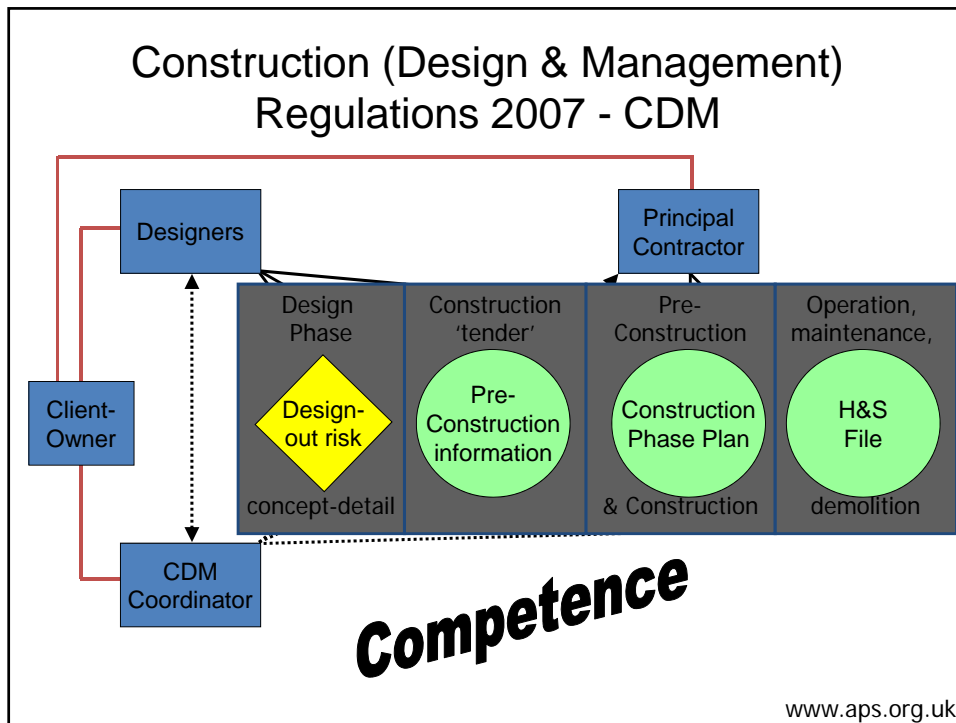
HSE/Construction Skills – Guidance for Designers

Construction (Design & Management) Regulations 2007 - CDM




Owner involvement in PtD
 – Michael Toole, Bucknell
 – The other session!

www.aps.org.uk




- Not just PtD





Usain Bolt

- Managing OH&S from start to finish to achieve ERIC



Mo Farah

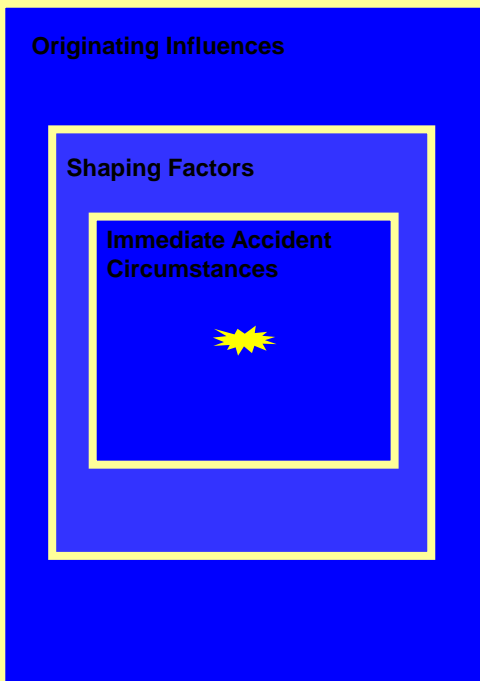





Loughborough
Accident
Causality
ConCA model

Hierarchy of
influences
in construction
accidents

Haslam et al
HSE Report, RR 156
www.hse.gov.uk/research/rrpdf/rr156.pdf

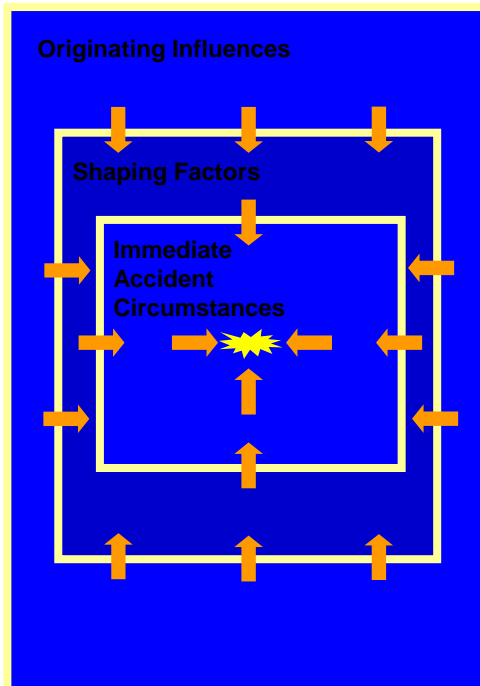


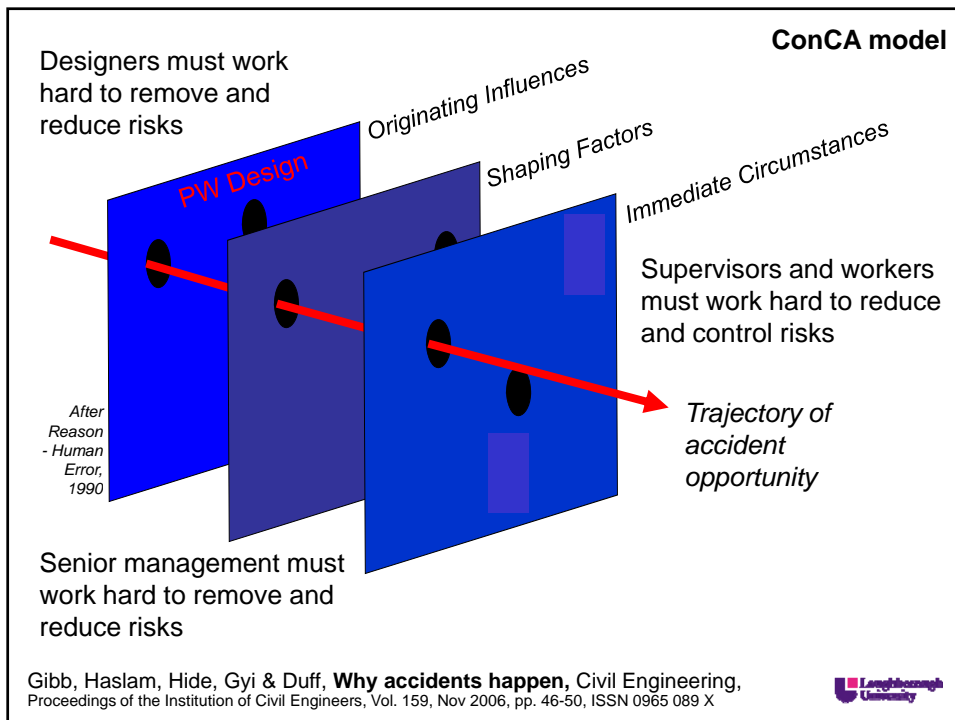
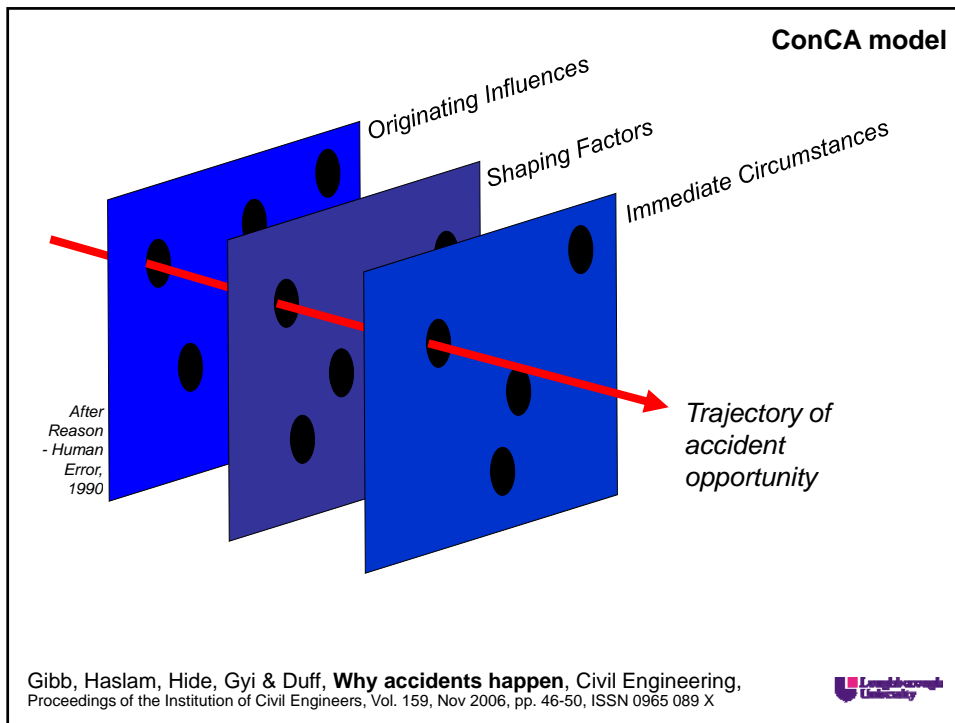


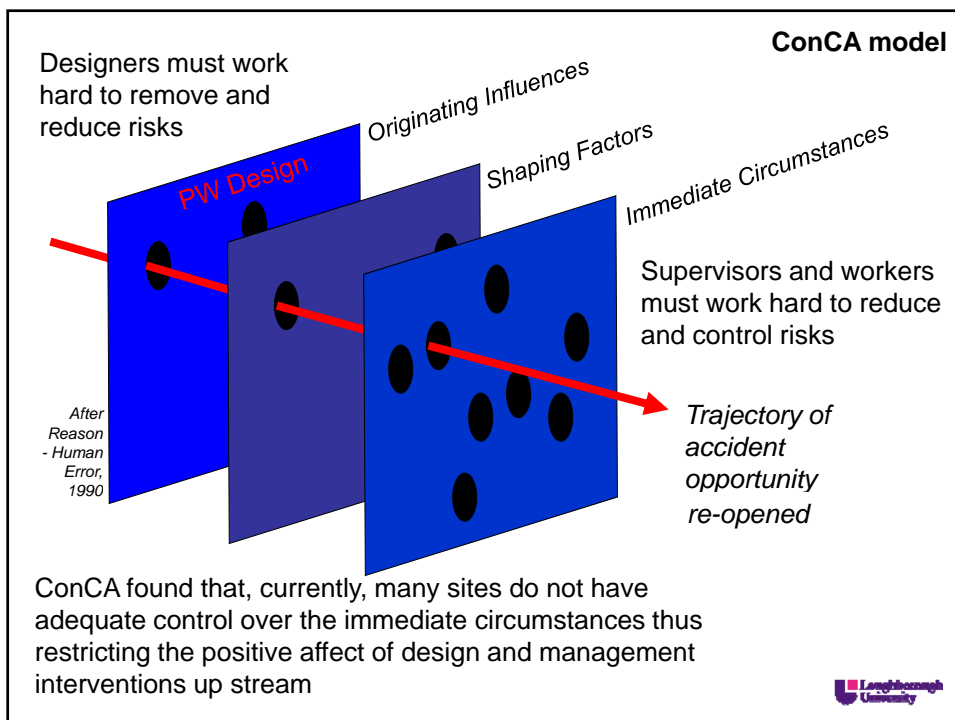
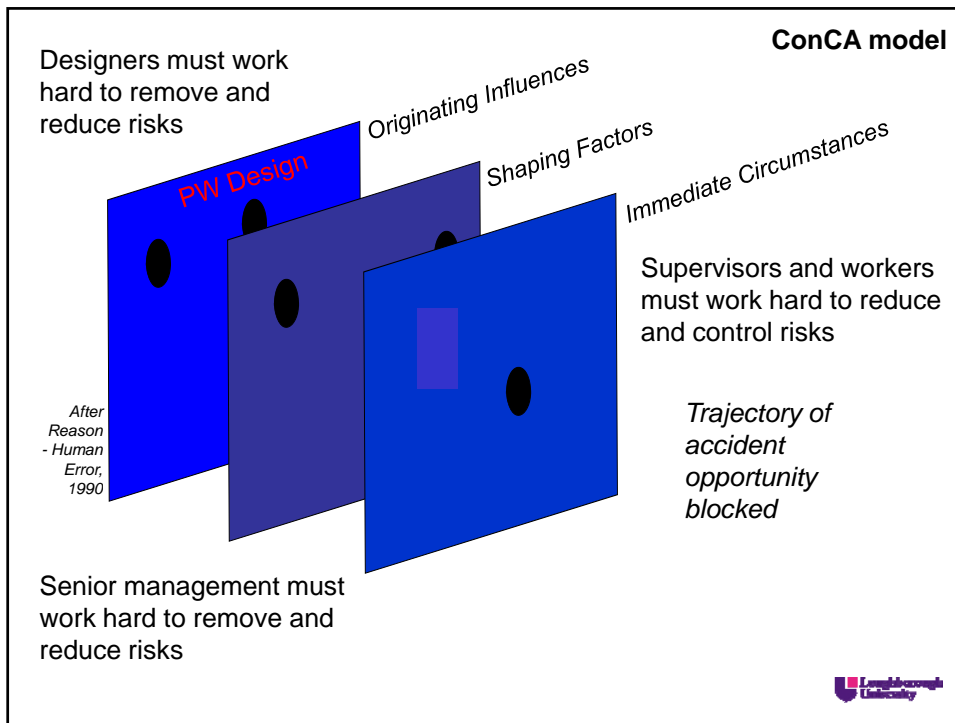
Loughborough's
ConCA model

Hierarchy of
influences
in construction
accidents

Haslam et al
HSE Report, RR 156
www.hse.gov.uk/research/rrpdf/rr156.pdf













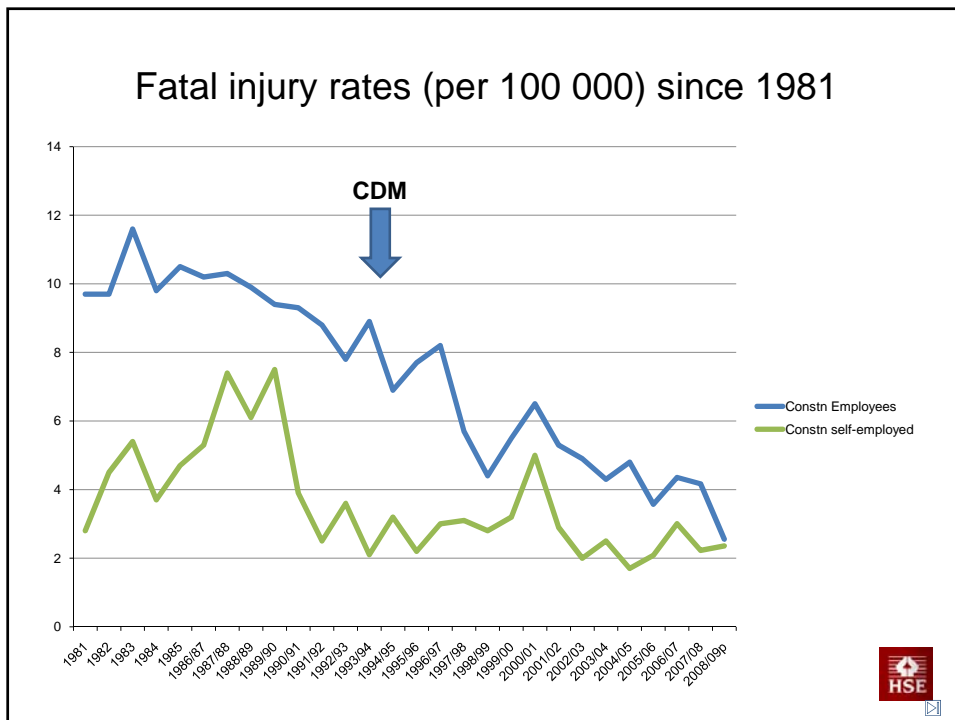
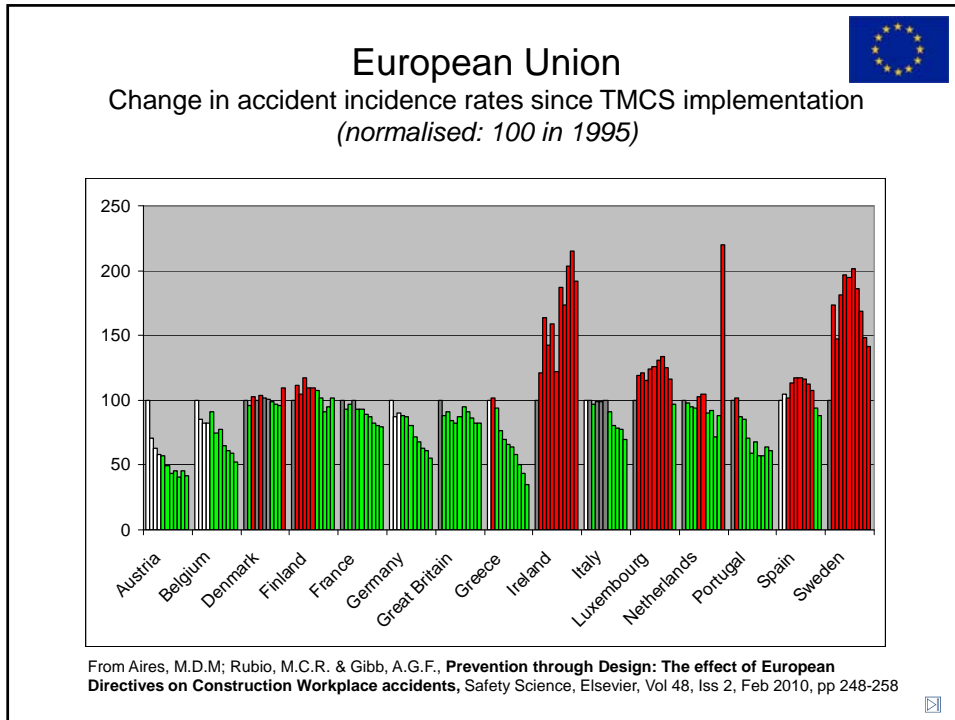

W099 Conference
Wed-Fri

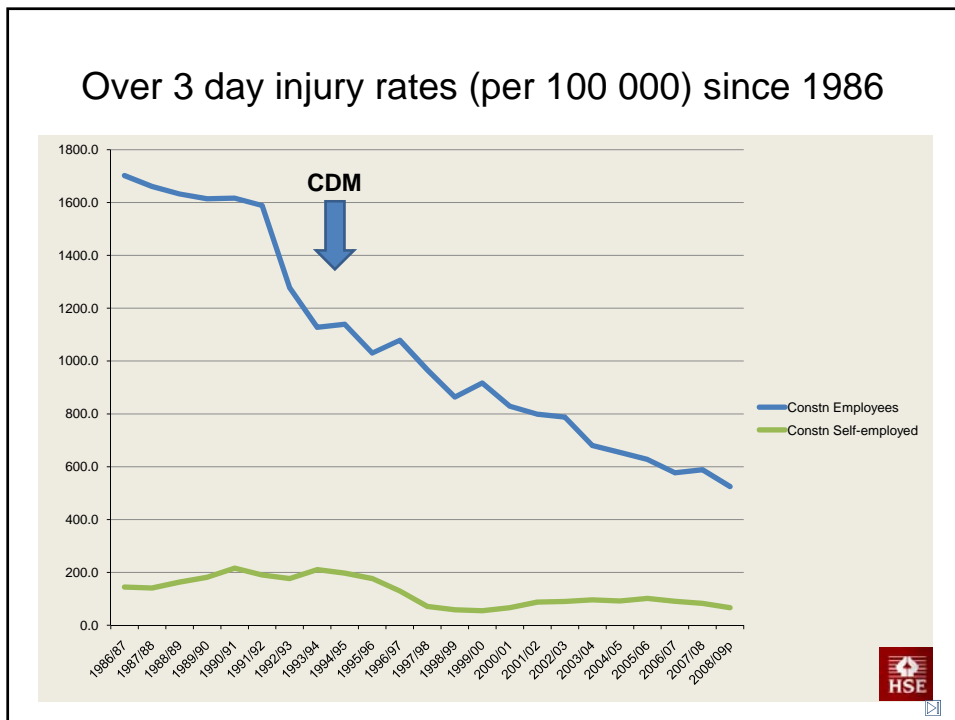
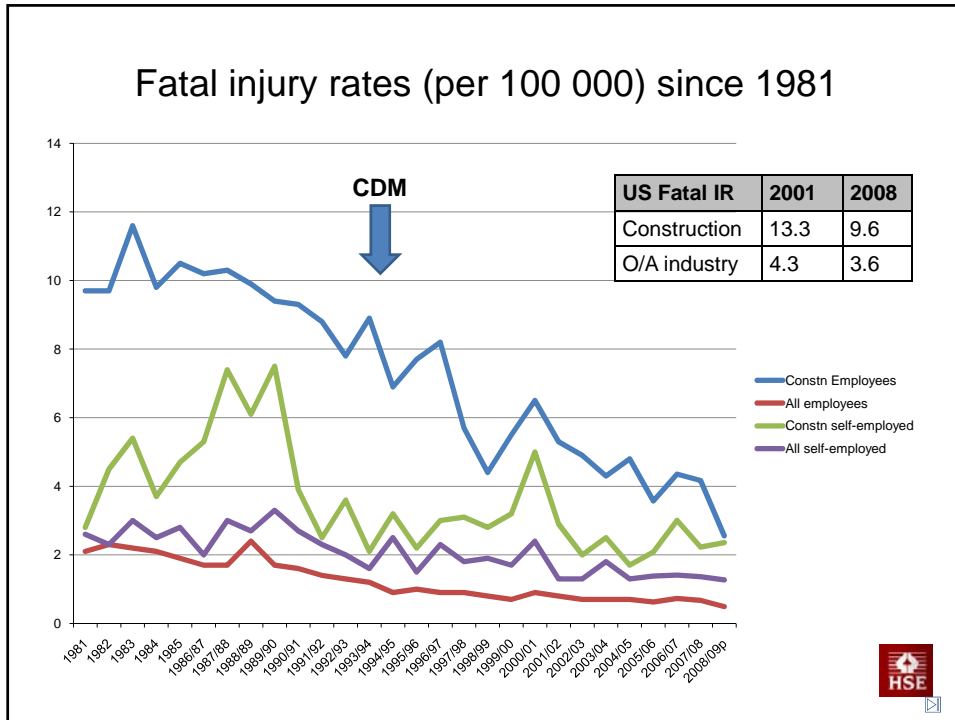
Luke Donald – World No.1 Aug 2011



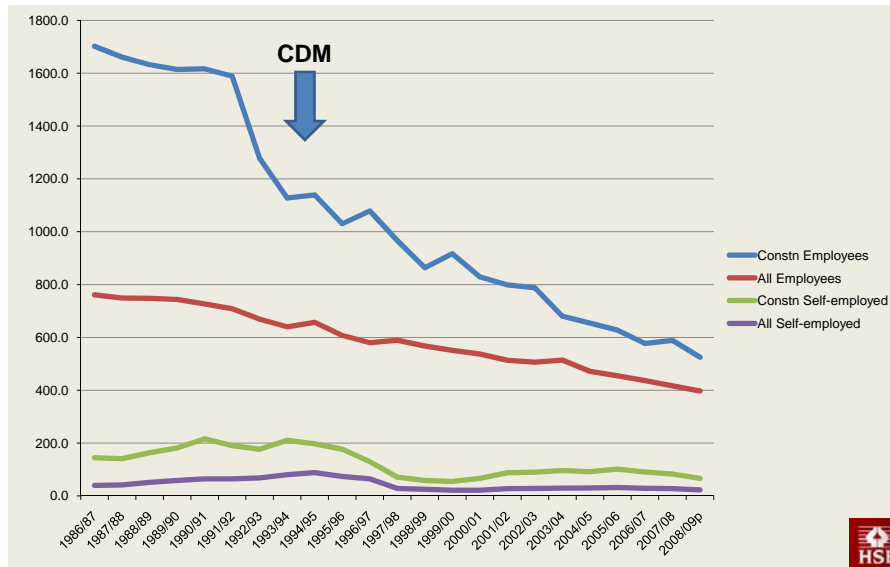
So, has CDM made a difference?



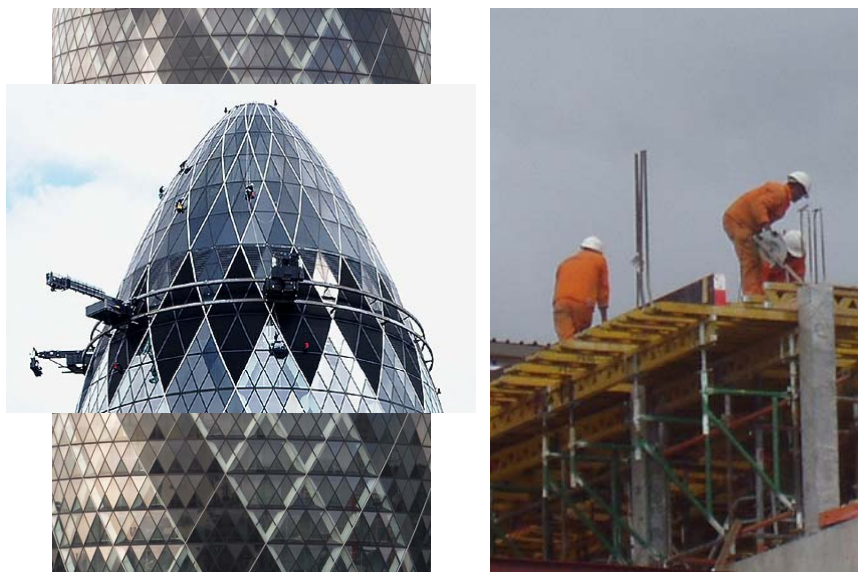




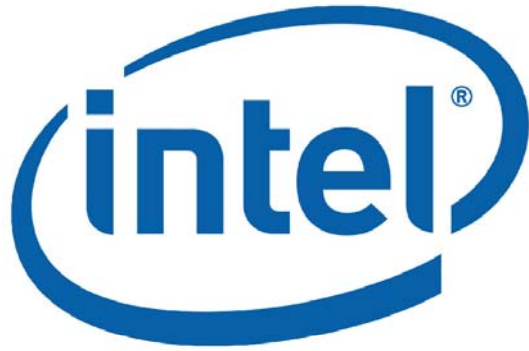
Over 3 day injury rates (per 100 000) since 1986



Construction or Maintenance?



OH&S and Constructability



AstraZeneca



Fundamental Moral Imperative^{95%}

Now that you know these things you will be blessed if you do them

*Jesus Christ
The Bible
John 13:17*



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