

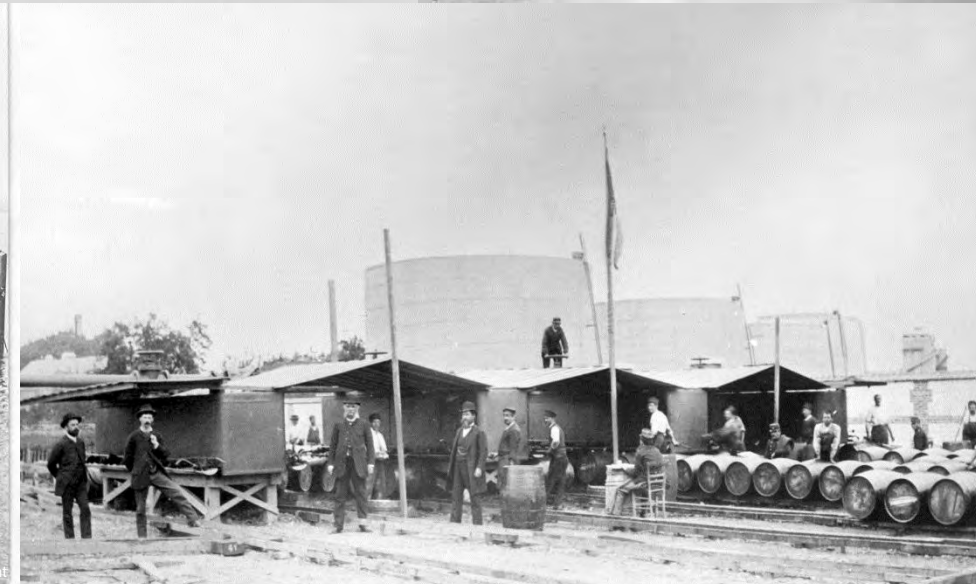


# Industry performance over 50 years and future challenges

Philip Holman  
(Annabel Burton)  
Awaken Consulting Limited

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**25-26<sup>th</sup> February 2013**

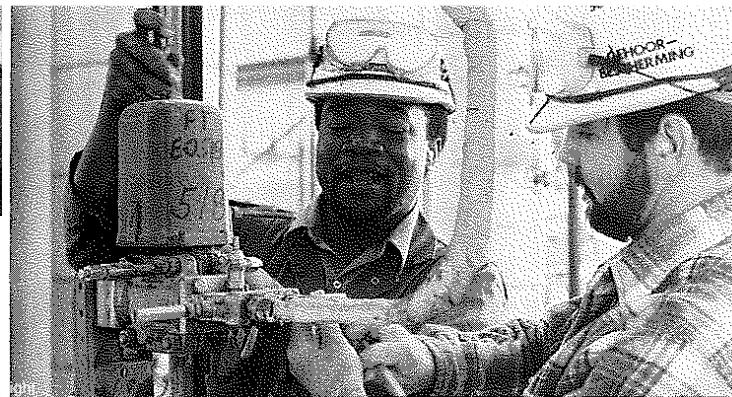
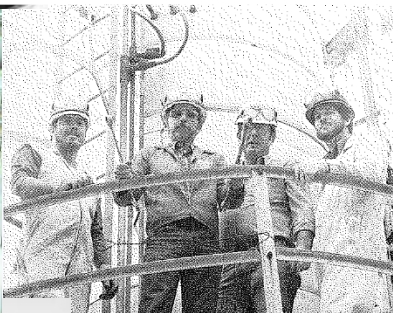
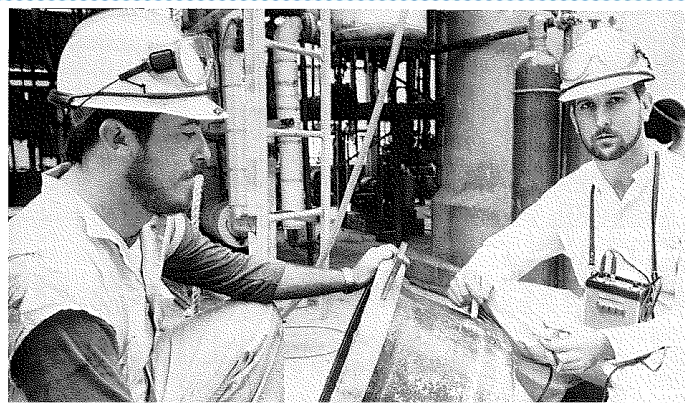




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## ▶ Safety Management Systems

- ▶ Systematic approaches adopted from the quality movement.
- ▶ Safe operating procedures became the norm.
- ▶ Management systems introduced (e.g. Seveso 1, Safety Case etc.)
- ▶ Risk management including hazard identification.
- ▶ Equipment design standards became more rigorous and legislated.
- ▶ Historical level of injuries not tolerated.

## ▶ Oil companies

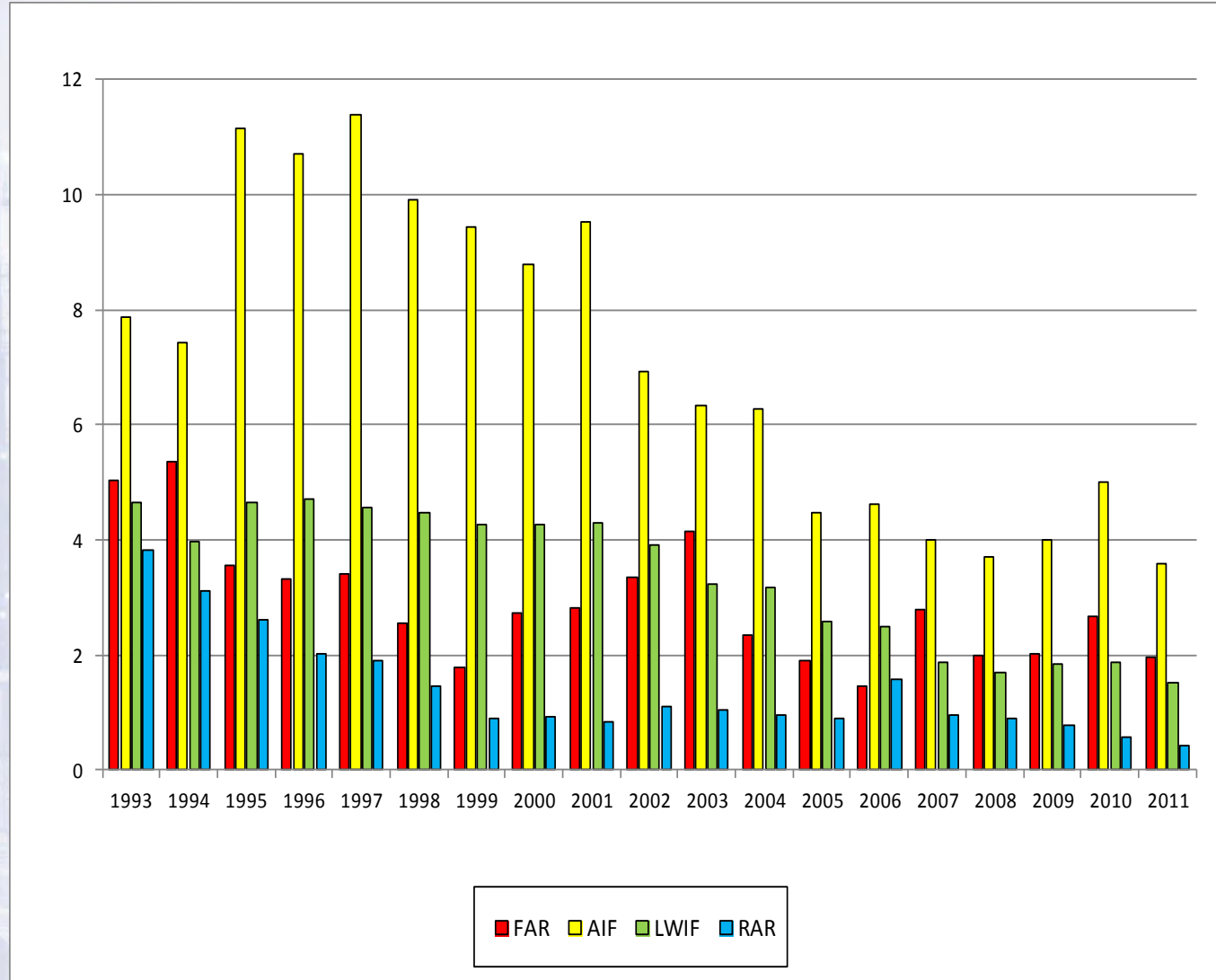
- ▶ Started recording all serious incidents.
- ▶ Incident investigation and analysis tools were developed and became commonly used.
- ▶ Sharing of safety performance data between companies was identified as helpful.
- ▶ Identification of Companies with best practice drove the others to improve.
- ▶ Key Performance Indicators developed and started to show improvement.





- ▶ Initiated the collection of KPI data across the oil refining and distribution industry in Europe.
- ▶ Developed annual reporting to allow members to benchmark.
- ▶ Demonstration of the sectors commitment to safety.
- ▶ Continual progress in delivering improved performance.
- ▶ Industry representation in relation to legislation.
- ▶ Involvement in the development of Industry Guidance later adopted by others (OGP).
- ▶ Recognised as a valid source of industry data (e.g. UKPIA statistical review 2011).











Longford 1998



AP

Buncefield 2005



Texas City 2005



Macondo 2009





- ▶ Pressure on the Industry to improve safety will continue to increase.
- ▶ Themes going forward?
  - ▶ Process safety reporting and analysis.
  - ▶ Analysis of causes for lost time injuries to identify potential initiatives for improvement across industry.
  - ▶ Hazard identification and risk management tools.
  - ▶ Management systems.
  - ▶ Openness in sharing details of all incidents would provide opportunities for **learning... "This must never happen again..."**.
  - ▶ Opportunities to work together to develop tools to benefit all members.
- ▶ Concawe has a unique potential to enable these improvement across the Industry in Europe.







**End**

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