



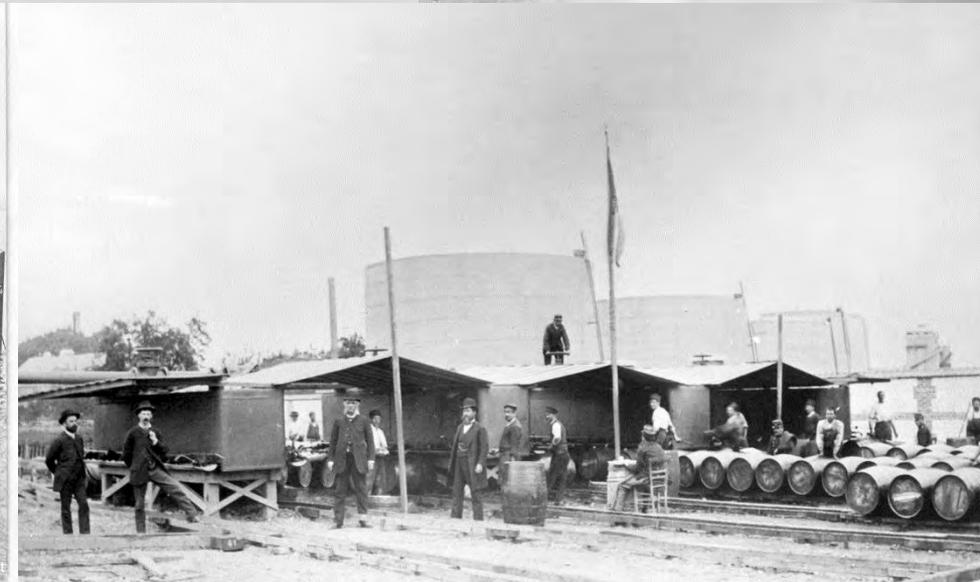
Industry performance over 50 years and future challenges

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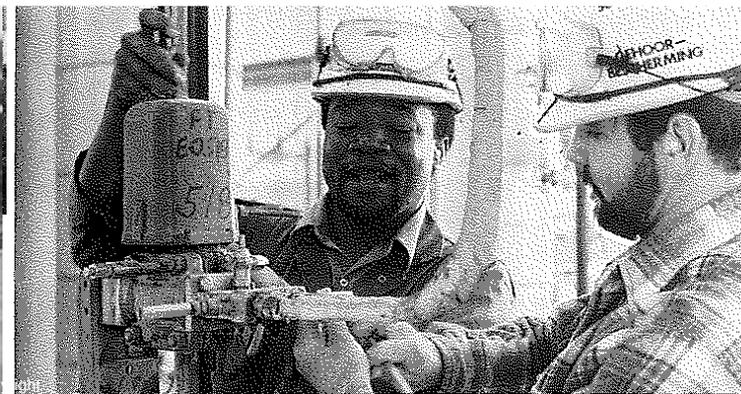
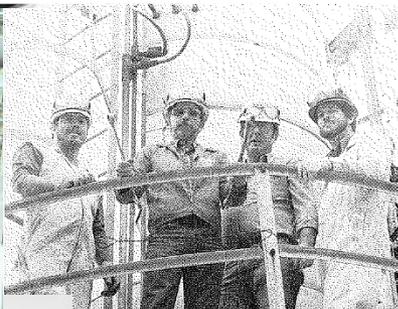
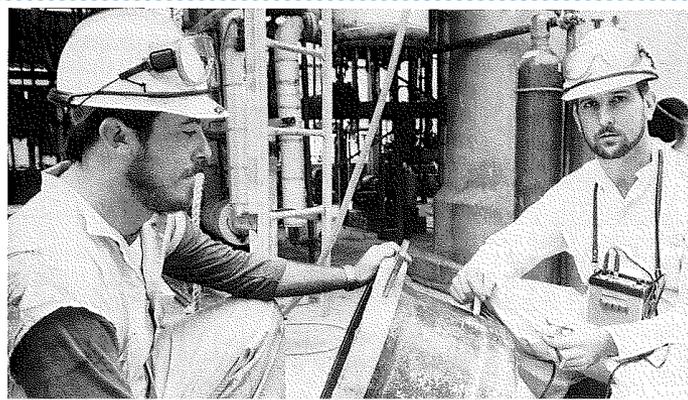
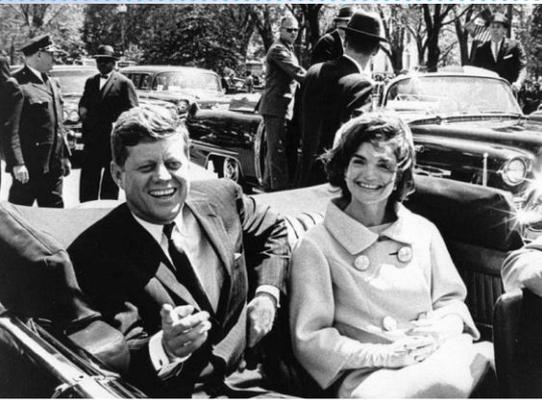
10th CONCAWE Symposium
25-26th February 2013





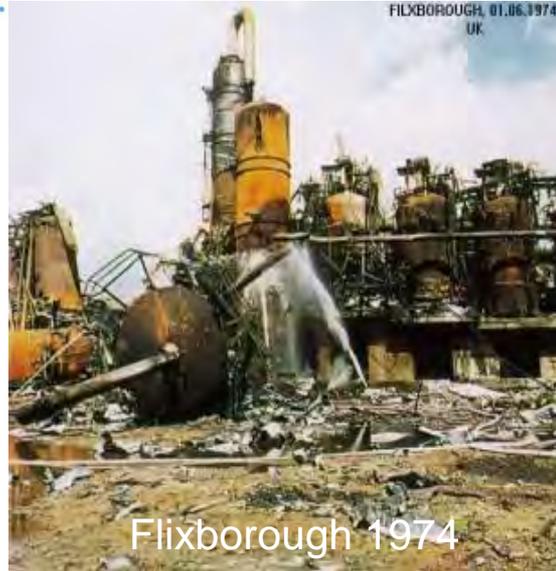
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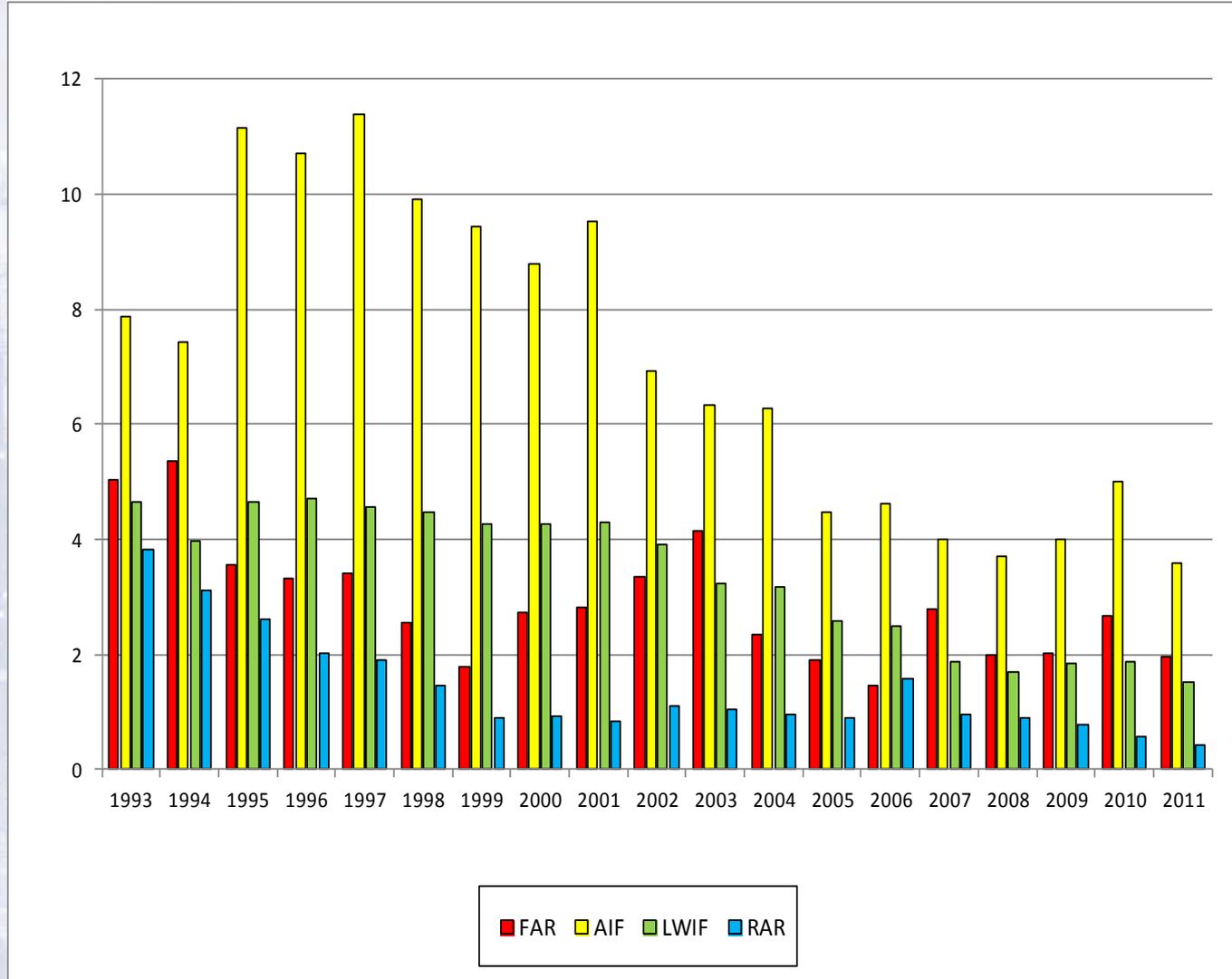


- ▶ Safety Management Systems
 - ▶ Systematic approaches adopted from the quality movement.
 - ▶ Safe operating procedures became the norm.
 - ▶ Management systems introduced (e.g. Seveso 1, Safety Case etc.)
 - ▶ Risk management including hazard identification.
 - ▶ Equipment design standards became 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.
- ▶ Concaawe has a unique potential to enable these improvement across the Industry in Europe.





End

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