



Industry Challenges

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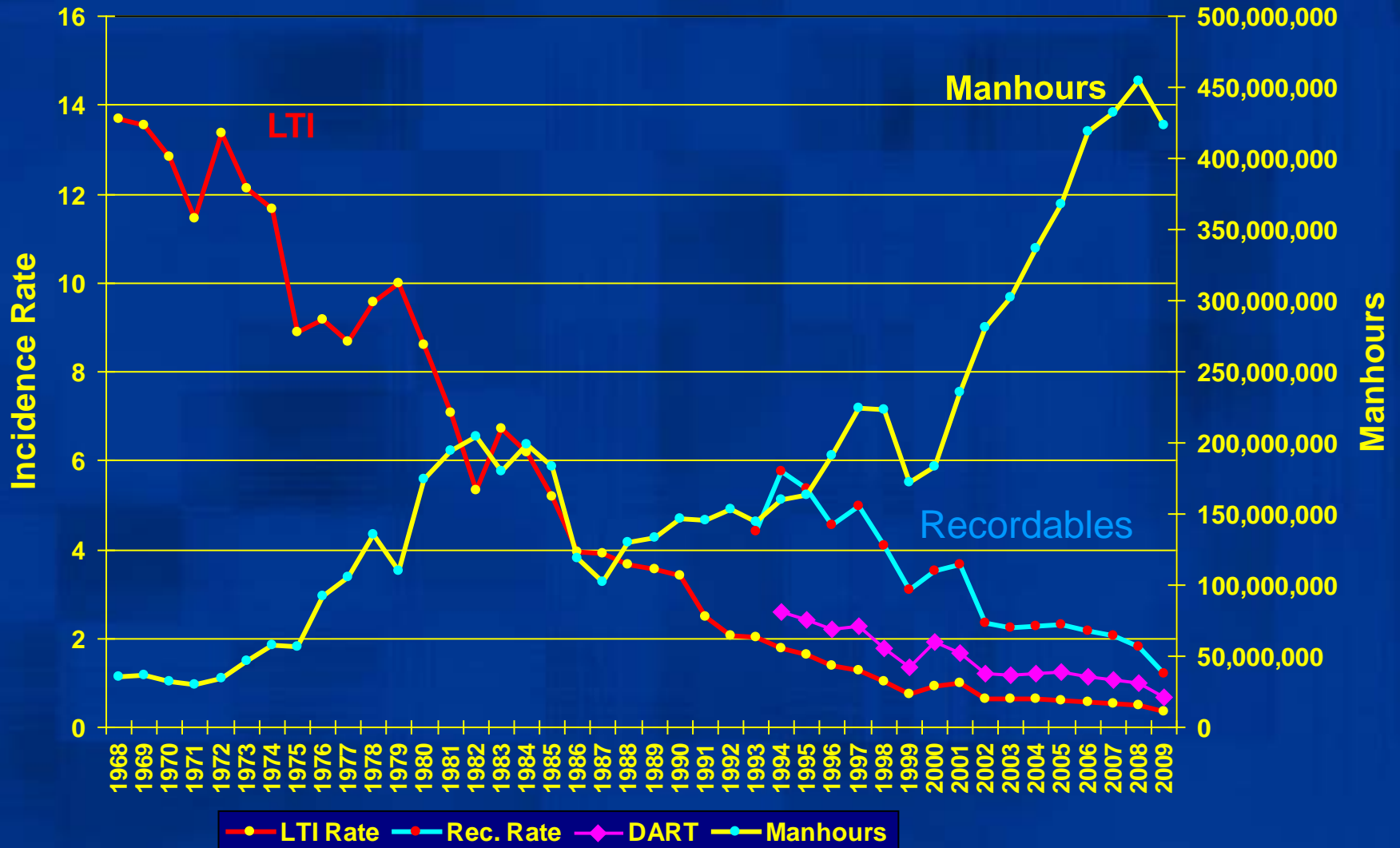
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Overview

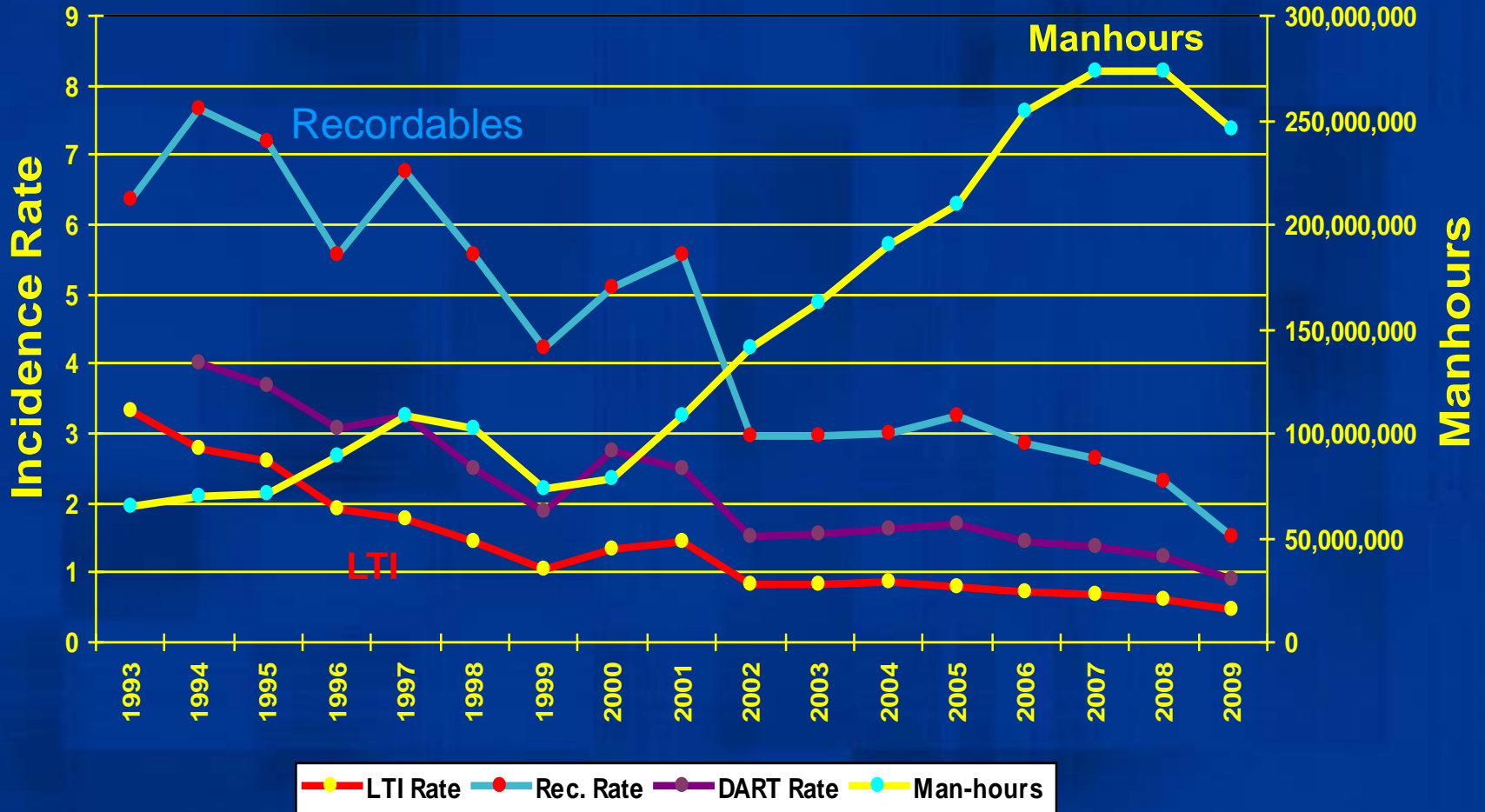


- **Industry safety performance**
- **Identified challenges (sans elephants)**
- **The elephants**
- **General recommendations to members**

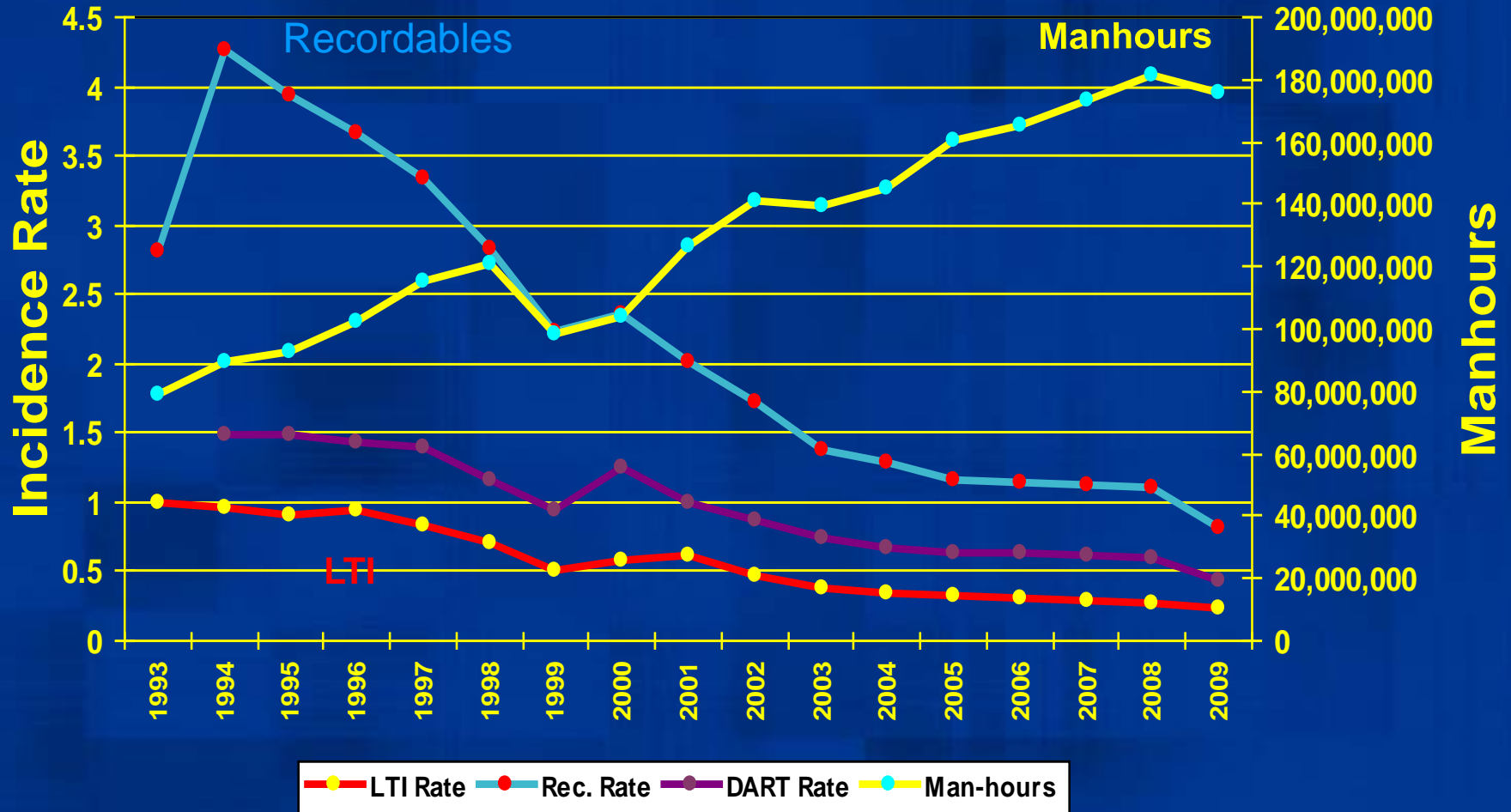
Industry Safety Performance



On Land



Offshore



Improvements to date



Maturing of the safety culture

- **Compliance**
- **Management systems**
- **Competence assurance**
- **Behavior-based programs**
- **Leadership**

The identified challenges

(sans elephants)



- **New equipment / new technology**
- **Keeping old equipment running**
- **More complex wells in more challenging environments**
- **Multi-cultural workforce**
- **Maintaining a competent workforce**
- **Leadership and leadership commitment**
- **Meeting ever-more stringent expectations for safe and environmentally conscious operations**

The elephants



Montara



Thunder Horse

Aban Pearl



Macondo

Meeting the challenges



Each company is different, but each company, as well as the industry, can benefit from:

- Continuous improvement to the safety culture
- Developing and improving training & competence assurance programs
- Information sharing
- Standards development

Zero incidents – Zero harmful emissions