

**DRILLSAFE**

# **Overview of Health and Safety Offshore Regulation and Industry Safety Performance**

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**3<sup>rd</sup> March 2011**



# OPGGSA Part 6.9

## NOPSA's legislated functions



# 2010 activities

## INDUSTRY

31 Operators

171 Facilities

## NOPSA

31 OHS Inspectors

20 Support staff

164 Submissions

164 Assessments

388 Incidents

141 Facilities Inspected

41 Accidents

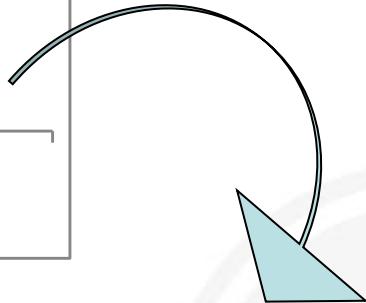
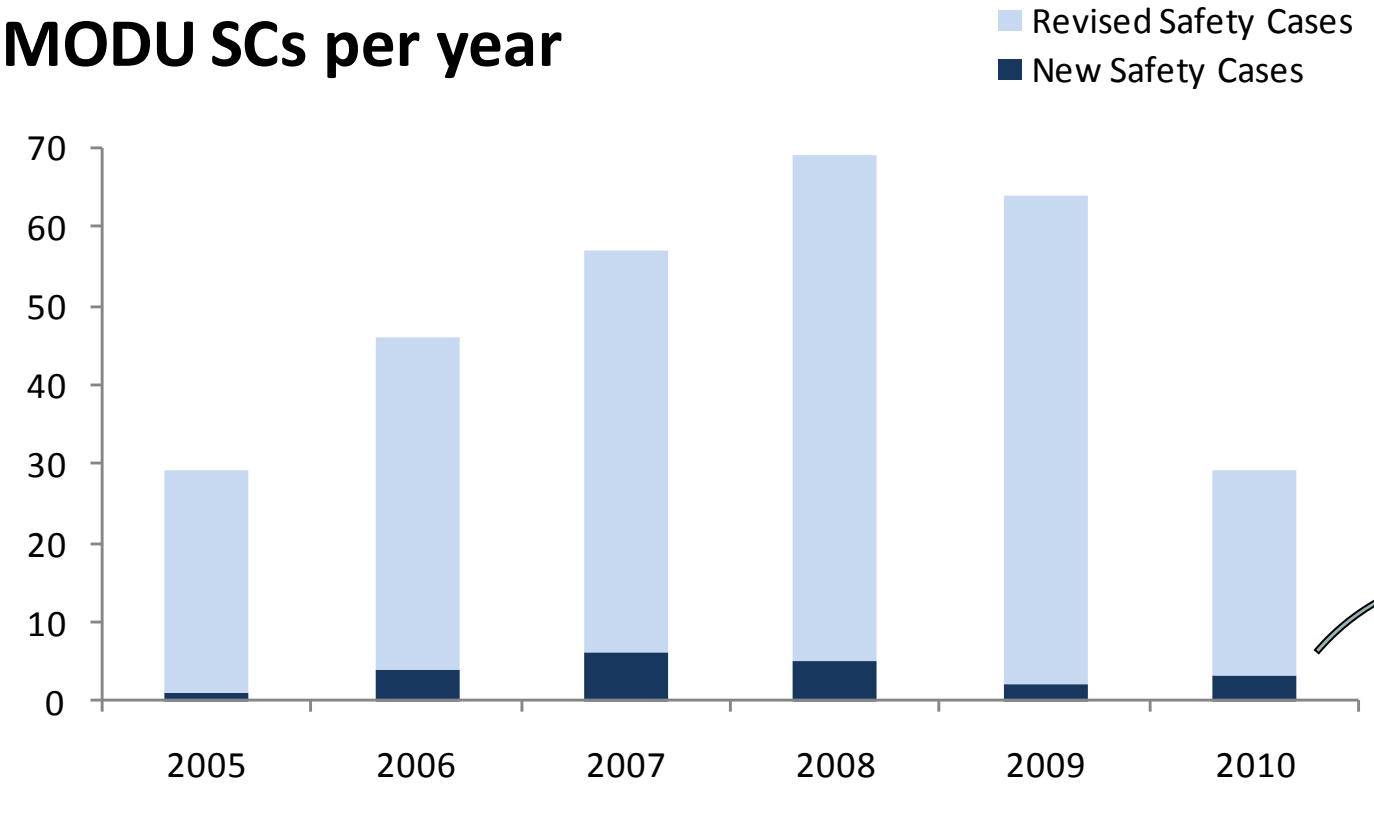
347 Dangerous Occurrences

0 Major Investigations

25 Enforcement actions

# Assessments

## MODU SCs per year



MODU Assessments Notified		2010
Assessment Type	Subtype	Number
Safety Case	New	3
Safety Case	Revision	26
Scope of Validation		14

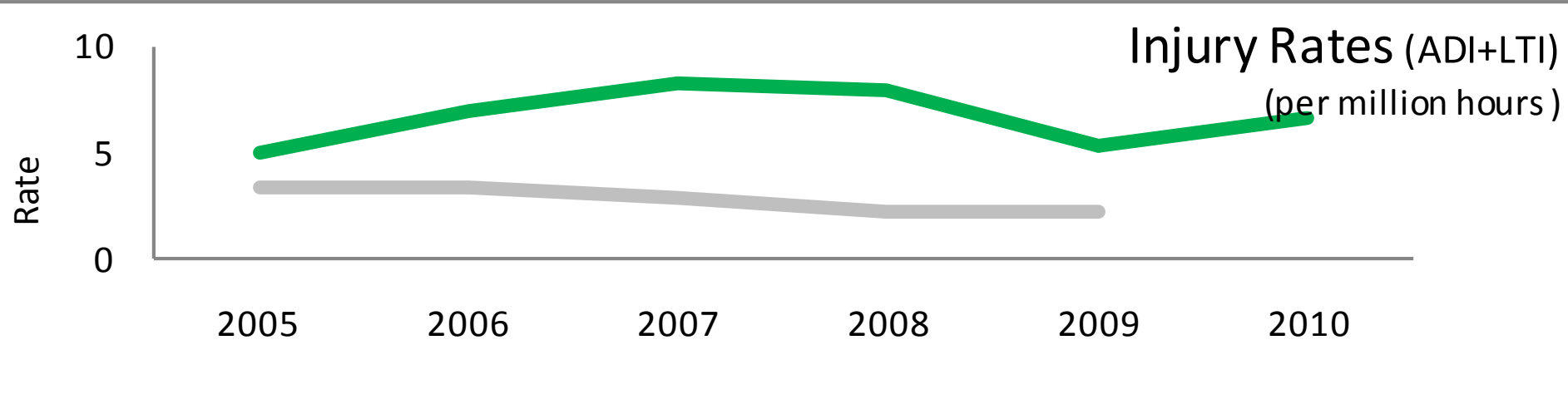
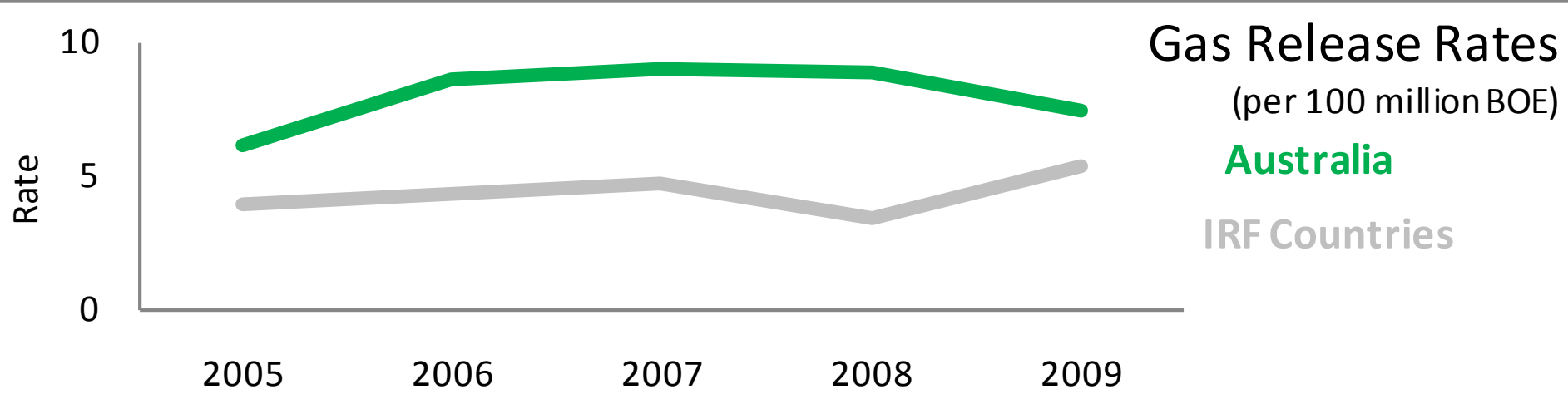


# The performance problem

- **The vision:** a safe Australian offshore petroleum industry.
- **The reality:** industry safety performance below international measures.

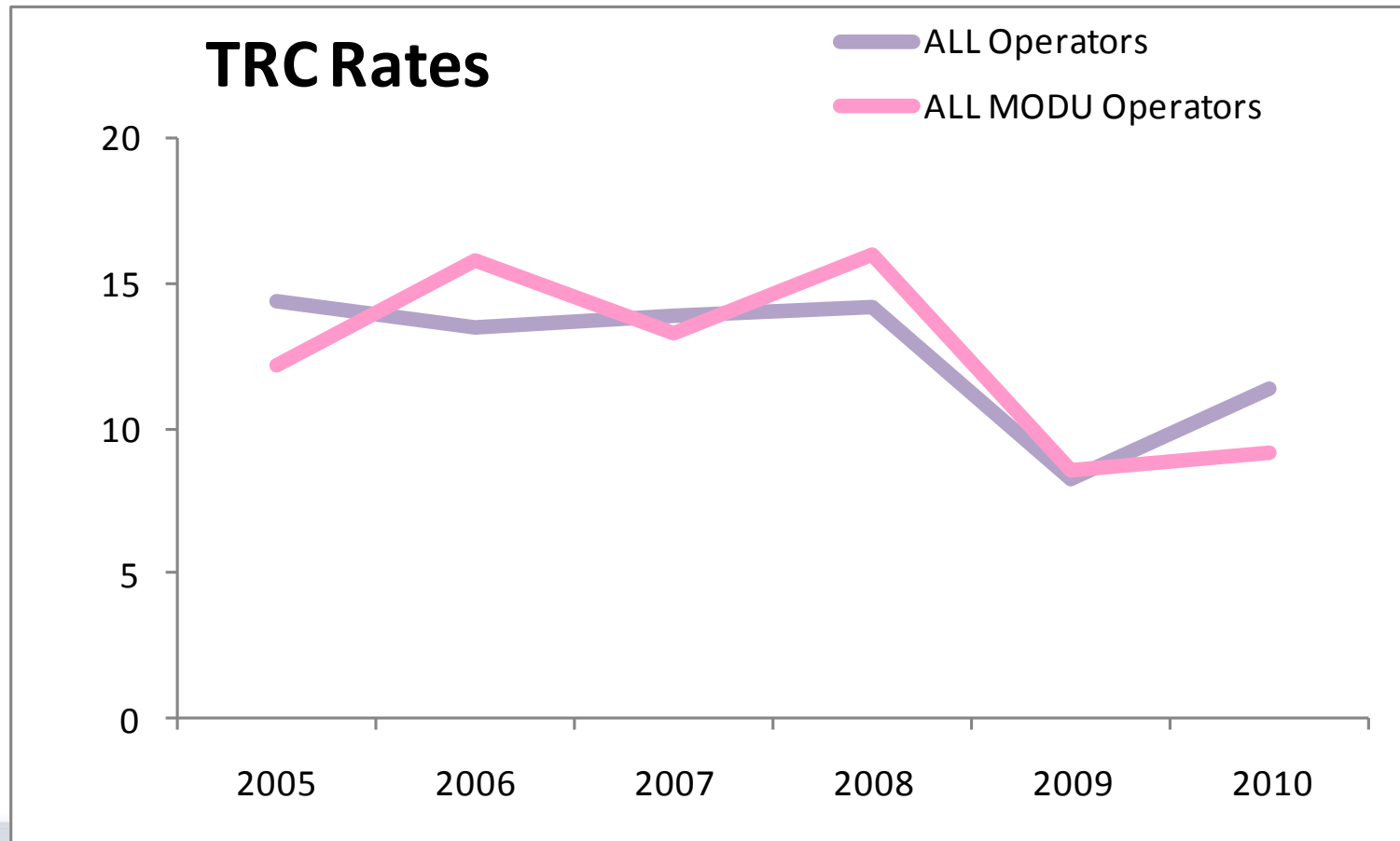


# IRF benchmarks

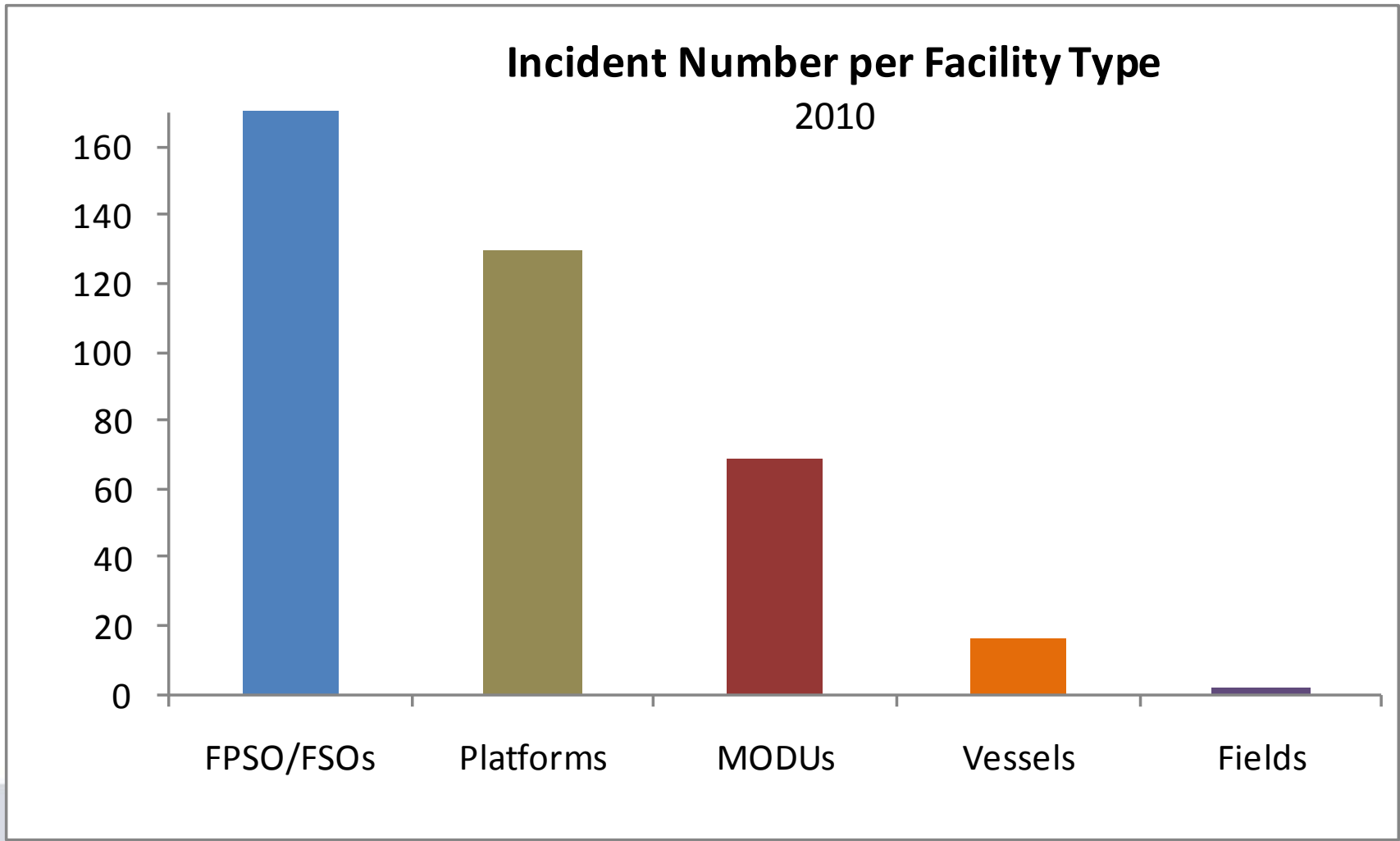


# Injuries

$$\text{TRC} = \text{LTI} + \text{ADI} + \text{MTI}$$

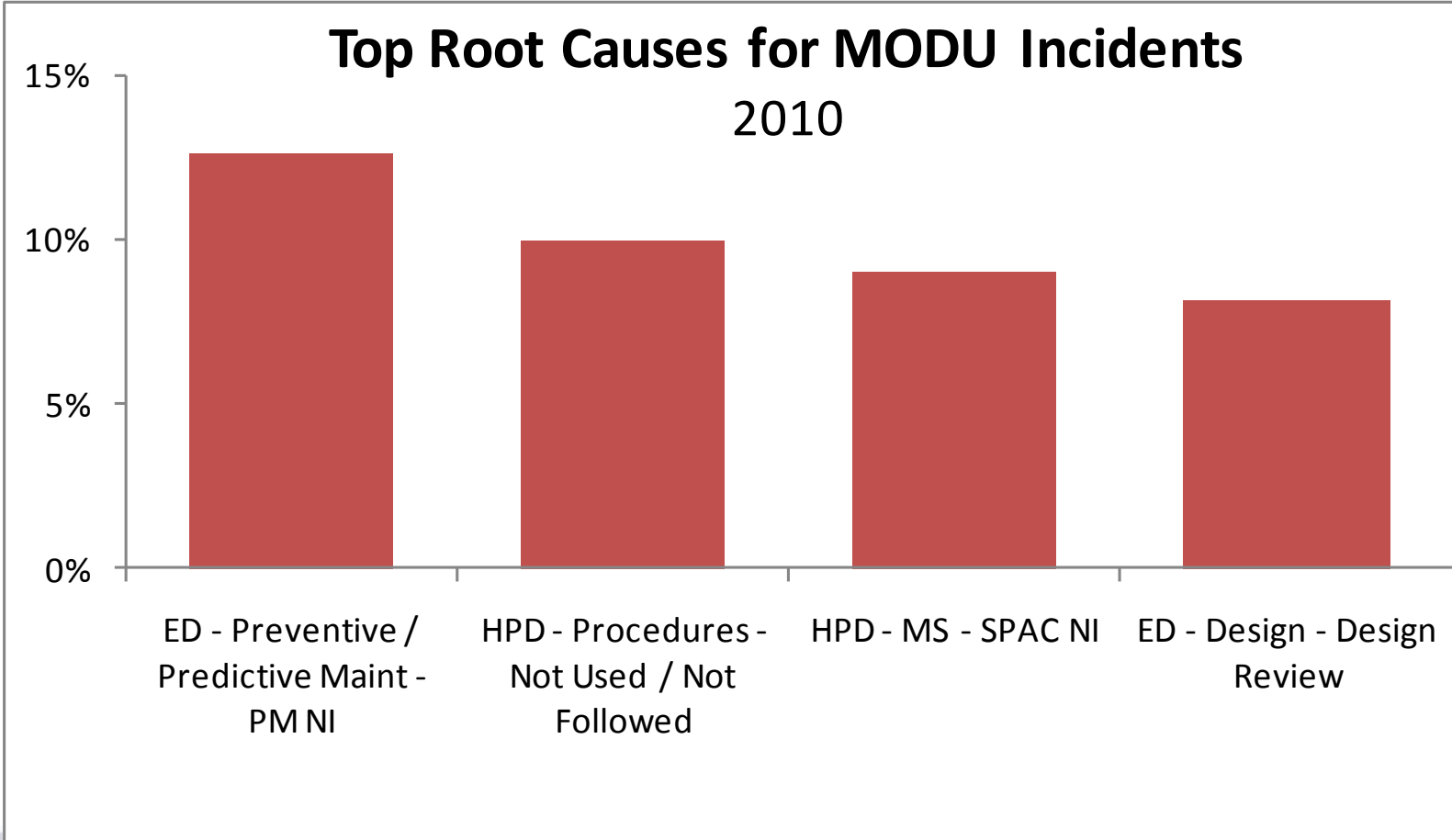


# Incidents per Facility Type

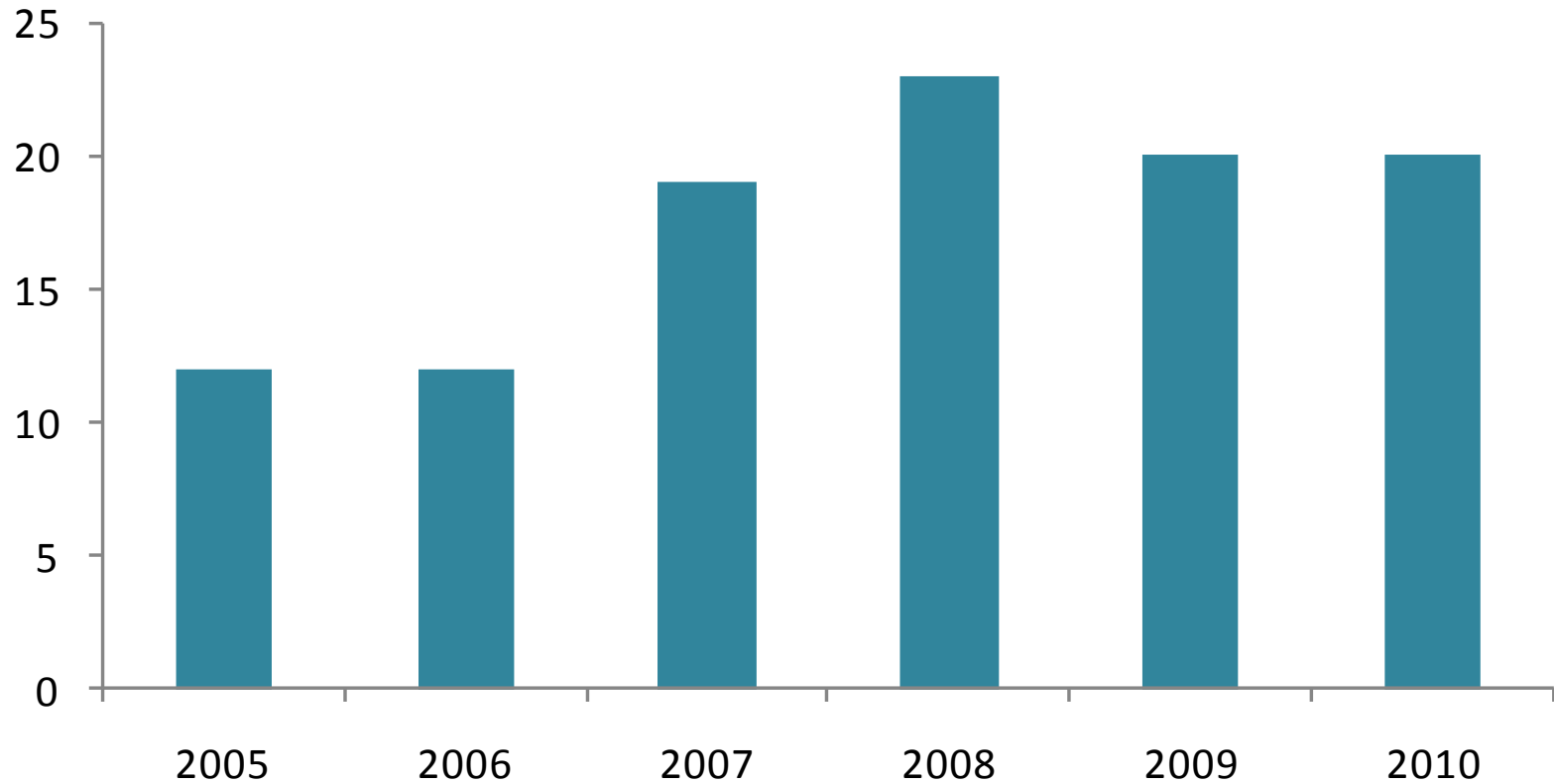




# MODU TapRoot® Root Causes



## MODU Inspections per year



# NOPSA inspection focus areas

2010-11

- Ageing Facilities
- Maintenance Management
- Emergency Response
- Contractor Management
- Process Safety Culture
- (Wells)



# Legislative Changes

- **Nov. 2010 - OPGGSA amendment:**
  - NOPSA functions augmented to include integrity of wells.
  - Duties imposed on titleholders to ensure risk from wells is ALARP
- **April 2011 - Regulation Change (Draft)**
  - Revision to regulations defining NOPSA as the Regulator with respect to the formerly entitled Management of Well Operations Regulations.

# Legislative Changes (cont)

- **Jan 2012 – NOPSEMA**

“The government will extend the functions of the National Offshore Petroleum Safety Authority to include regulation of structural integrity, environment plans and day-to-day operations associated with petroleum activities in Commonwealth waters. ...The expanded authority, to be named the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA), will regulate safety, integrity and environment plans for minerals extraction and greenhouse gas storage activities in Commonwealth waters”.



# Offshore Petroleum and Greenhouse Gas Storage Act - OHS laws

Schedule 3 OPGGSA 2006 [as amended Nov. 2010]

OPGGS (Safety) Regulations 2009

**DRAFT** OPGGS (Resource Management & Administration) Regulations 2010 – Part 5

# General duties of the Operator

Cl. 9(1) The Operator of a facility must take all reasonably practicable steps to ensure that:

The facility is safe and without risk to the health of any person at or near the facility; and

All work and other activities are carried out in a safe manner and without risk to the health of any person at or near the facility.



## Specific duties of the Titleholder in relation to wells

Cl. 13A - ...must ensure that the well is so designed, constructed, commissioned altered, equipped, maintained and operated that risks to the health and safety of persons ....are as low as is reasonably practicable.

[Further titleholder offences and obligations are specified in the well operations management regulations.]





# Integrated OHS Regulation of facilities and wells

- Challenge the Operator & Titleholders
- Provide independent oversight

Facility health and safety risks are properly controlled through securing compliance with OHS law



# Regulatory tools

- Challenge the Operator and Titleholder
  1. Rigorous assessment – the permission to operate
  2. Thorough inspection: recommendations & tracking
  3. Targeted investigation: depending on severity leading to enforcement & lessons shared
  4. Consistent enforcement – Notices, prosecution
- Sampling using risk-based judgements and supported by documented processes and management scrutiny

