

# Perspectives 2007

Year in review

# Objectives 2008

Our Plans for this year

DrillSafe Forum  
March 2008



# Perspectives 2007 Agenda

- Incidents
- Inspection Findings
- Safety Case Assessment
- Promotion
- Enforcement

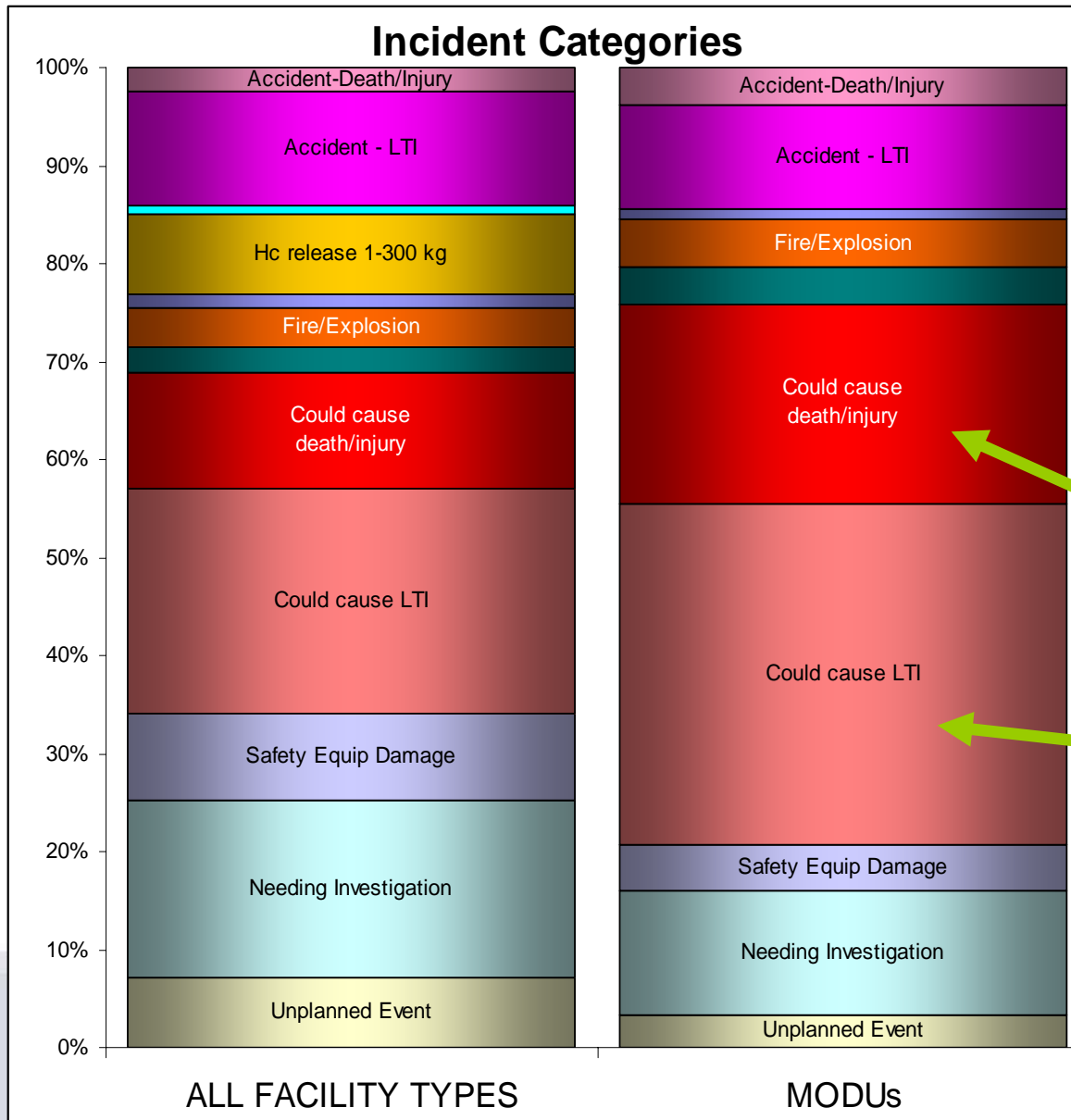


# Perspectives on 2007 Incidents

- **Stena Clyde Fire**  
October 2007, Engine Room Fire.
- **Jack Bates Dropped Blocks**  
November 2007, Dropped blocks while pulling BOP.



# Perspectives on 2007 Incidents

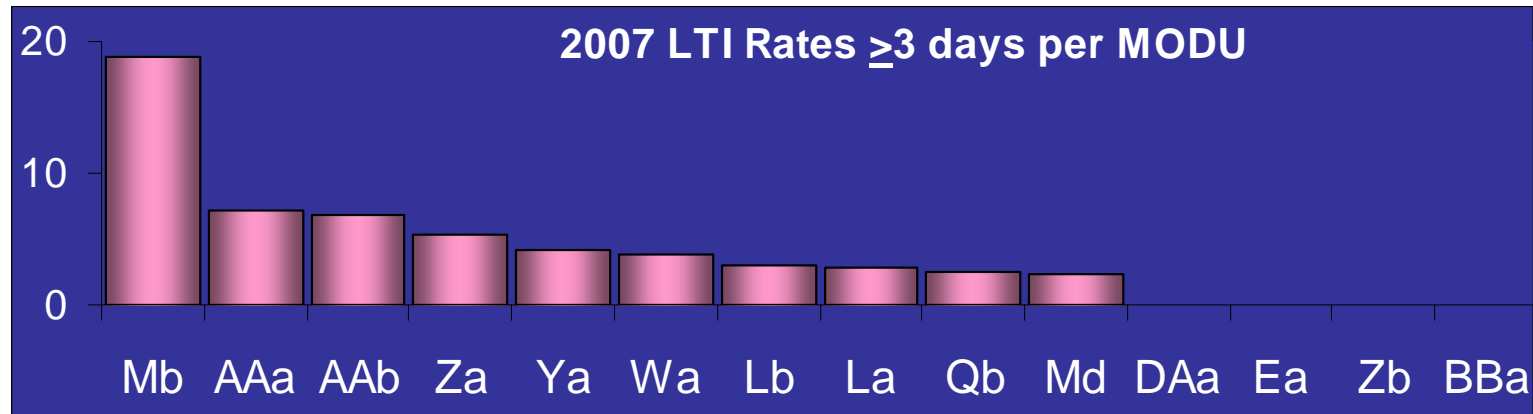


MODUs report a higher proportion of incidents that could cause death/serious injury or LTIs.

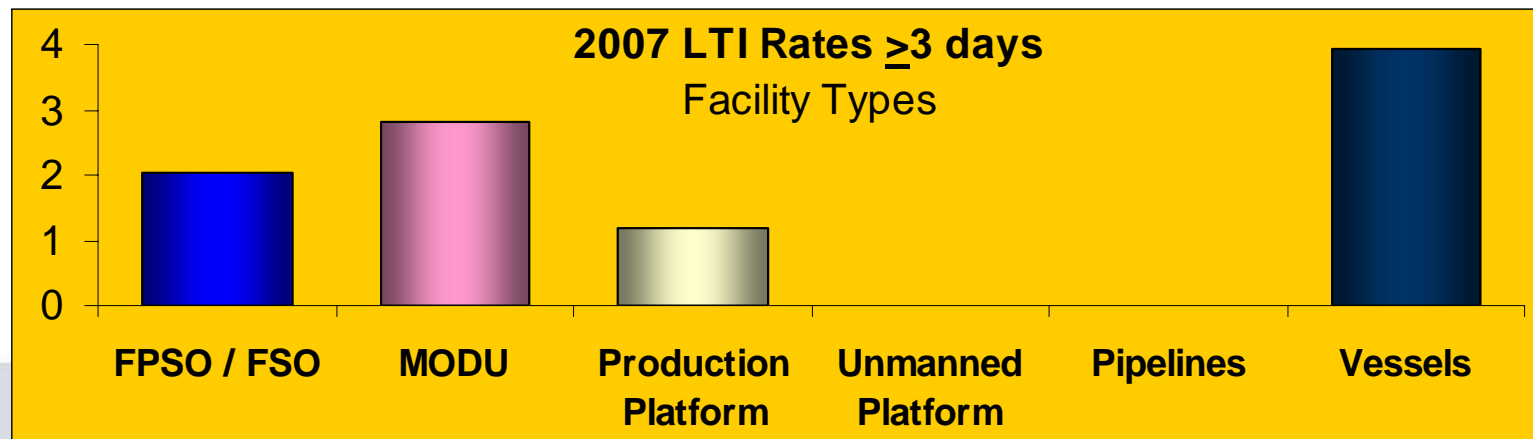


# Perspectives on 2007 Injuries

LTI Rates vary considerably amongst MODUs



MODU LTI Rates are higher than FPSOs and Platforms



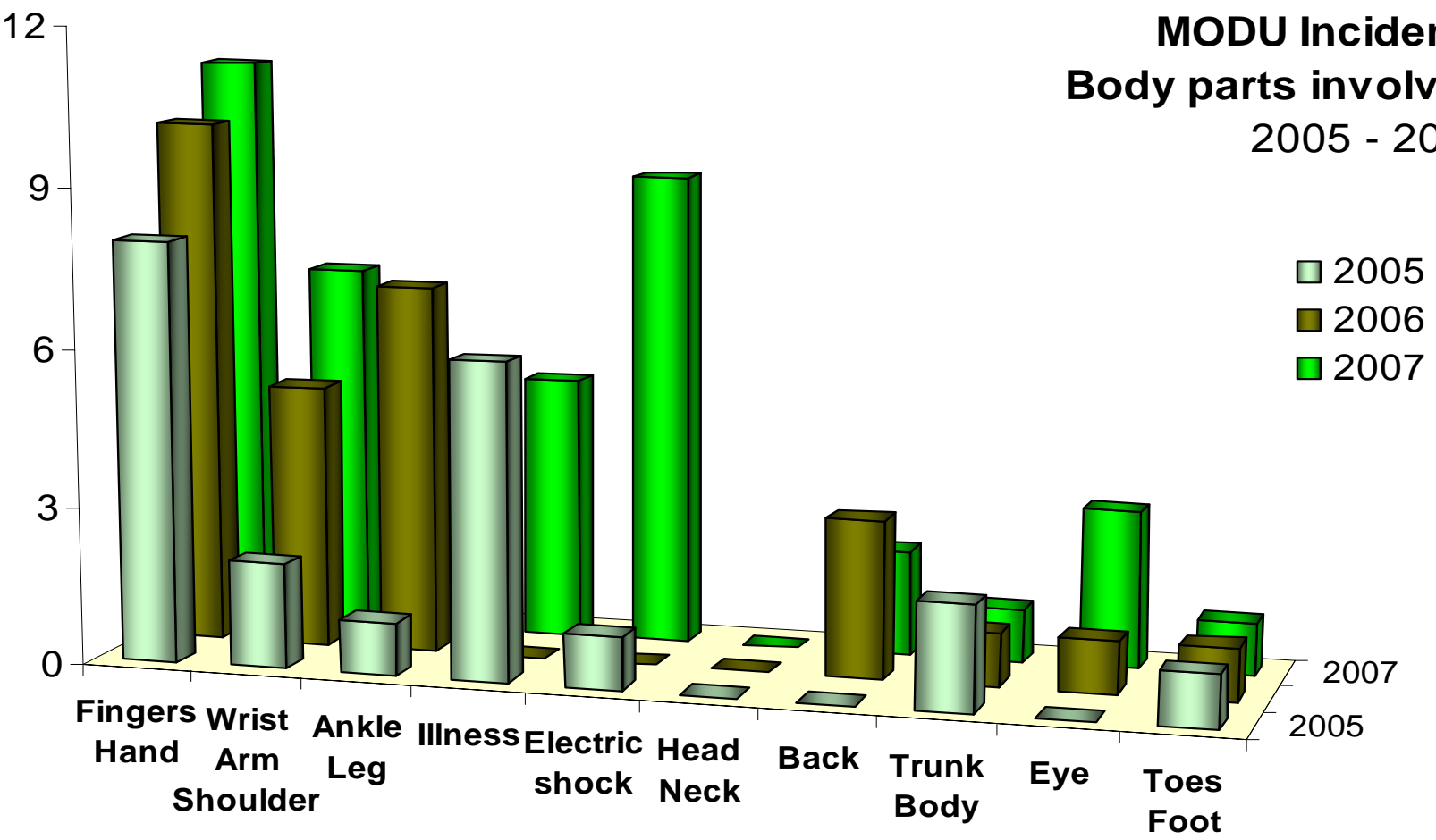
# Perspectives on 2007 Injuries

- Fingers and hands are consistently the highest risk of injury
- Wrist and arm injuries continue to increase
- Electric shocks, eye injuries and illnesses increased during 2007



# Perspective on 2007

**MODU Incidents**  
**Body parts involved**  
 2005 - 2007



## Perspectives on 2007 Inspection Findings

- Noise – no surprise – some progress
- Compliance with training matrix
- Ballast Systems – big surprise



# Rig Stability & Watertight Integrity

Brazil Area 2001



GOM Area 2005



# Rig Stability & Watertight Integrity

- Systems reliability
- True condition of critical equipment
- Will it operate and function satisfactorily for both
  - Normal Conditions
  - Abnormal Conditions (Emergencies)
- Enough spares on board
- Realistic drills and exercises



Australia NWS Area 2007

# Rig Stability & Watertight Integrity



Ocean Ranger 1982

- Sank 15 February 1982 (6 years old)
- Drilling 267kms east of St John's Newfoundland
- 84 crew members on board, no survivors
- Bad weather and freak wave caused a window to break
- Ballast control panel malfunctioned due to ingress of water
- Progressive flooding caused rig to capsize due to lose of buoyancy



# Perspectives on 2007 Inspection – Training & Competency

MODU A		MODU B	
Mandatory Training/Competency	Compliance of Crew with Matrix	Mandatory Training/Competency	Compliance of Crew with Matrix
Work at height	53%	First Aid / CPR Advanced	10%
ERT Comp	12.3%	Defibrillator Training	39%
Helideck fire team	11%	Well Control 2 Driller	75%
Fire team leader	Not revealed	Dangerous goods (air & sea)	0%
Dangerous goods (air & sea)	0%	Helicopter Fire Team	Not revealed
Incident investigation	0%	Fire Team Leader	25%
		Incident Investigation	9%
		Helicopter Refuelling	38%



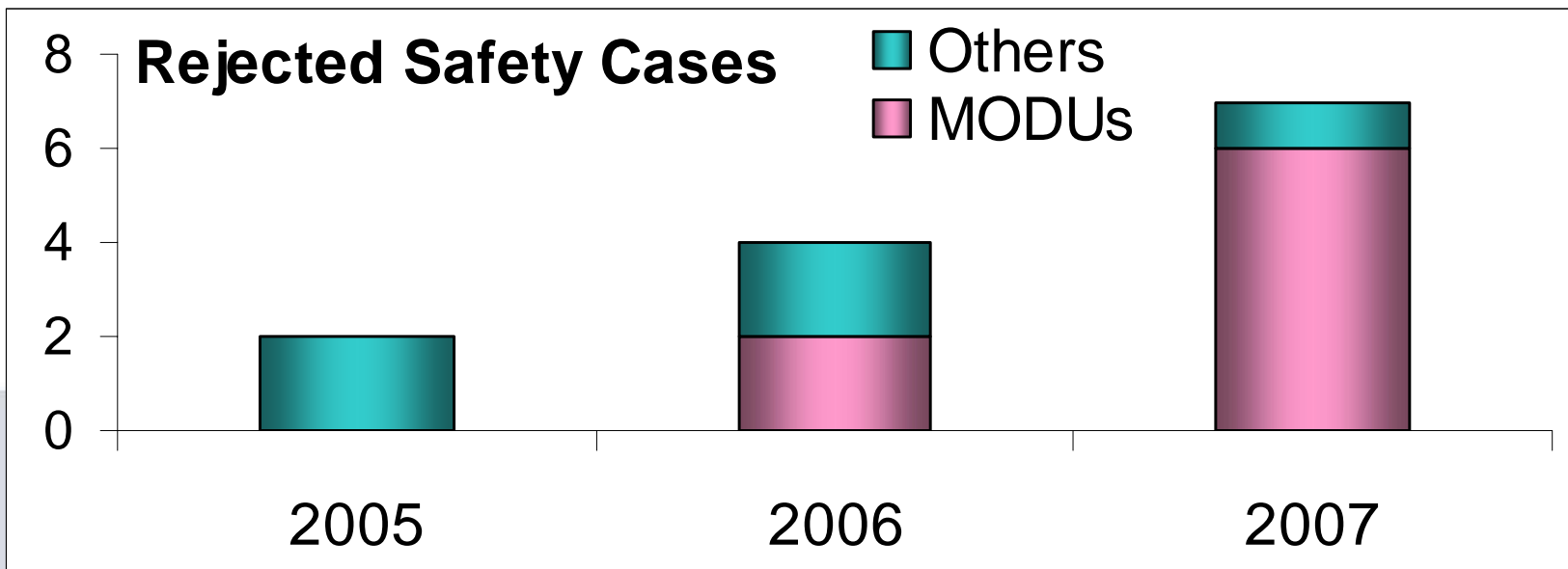
# Perspectives on 2007 Positives

- Chikyu (*despite some operational issues*) showed what can be done on Health and Safety matters
- Leadership & man-management training



## Perspective on 2007 Safety Case Assessment

- Trends – Increase in all SC rejections
  - especially MODUs (6 out of 7)
- Feedback on revisions provided to local IADC group
- Dilution of SC skills?
- Growing willingness to reject?



## Perspective on 2007 Enforcement

### 2007

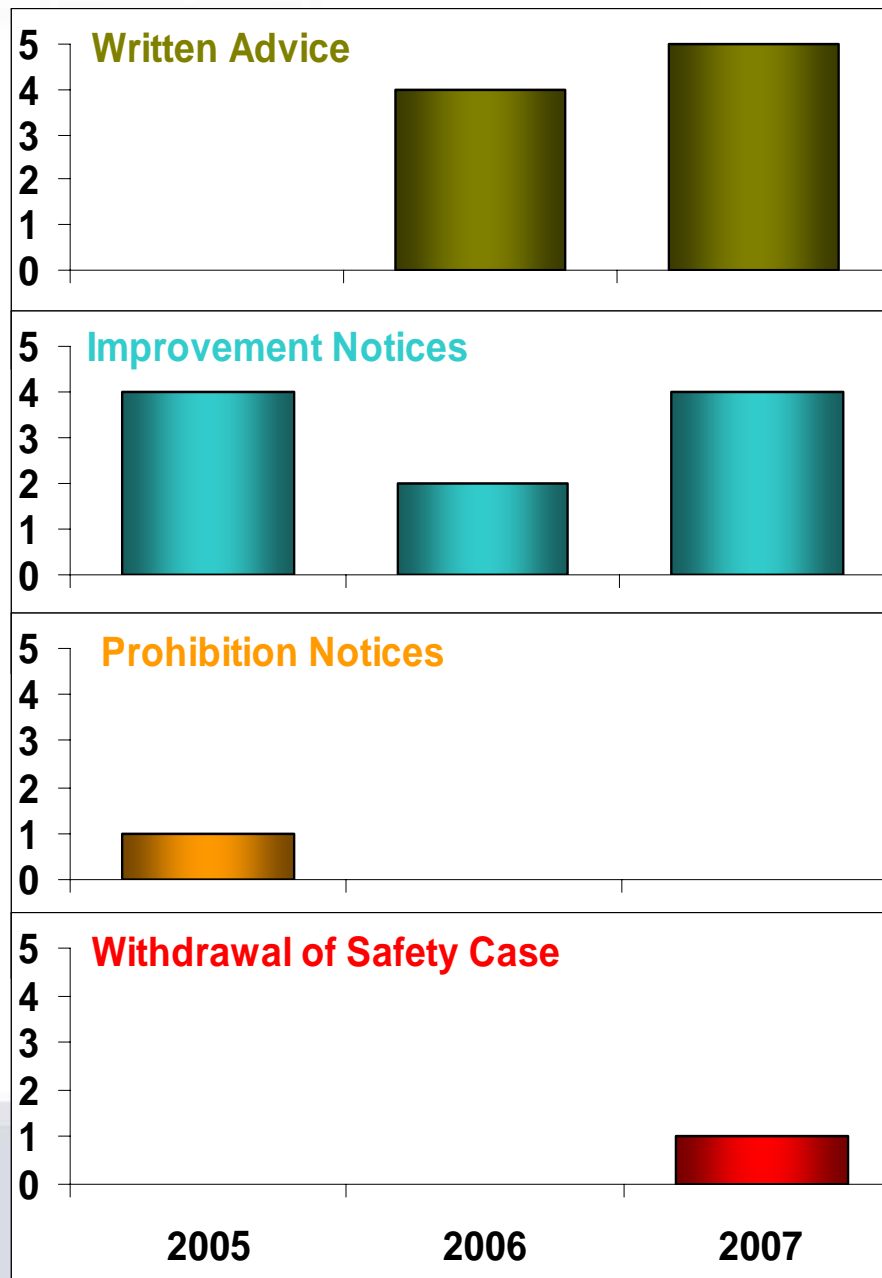
5 Written warnings

4 Improvement Notices

0 Prohibition Notices

1 Withdrawal Safety Case

1 Prosecution not MODU



## Perspective on 2007 Promotion

- Safety Case Workshop
- Animated safety alert, poster
- External affairs officer appointed
- Drillsafe still leading the way
- SPE workshop in Well Integrity



# Objectives for 2008 Agenda

- NOPSA Personnel
- Regime
- Planned Inspection Focus

## NOPSA Personnel

- General Manager, Regulatory Ops
- Gavin Guyan - Team Leader Team 2
- 3 new inspectors proposed for Team 3
  - 1 MODU Chief (Marine) Engineer
  - 2 Drilling / Completion Engineer



# NOPSA Personnel

## Team 3 Inspectors



Gavin  
Guyan

### Diamond

- Ocean Bounty
- Ocean Patriot
- Ocean Epoch
- Ocean Shield



Dave  
Chaplin

### Ensco

- Ensco 106

### Attwood

- Attwood Eagle

### Stena Drilling

- Stena Clyde



Nyuk  
Tsen

### Atlas Drilling

- West Atlas
- West Triton

### BHPB

- Griffin
- Stybarrow



Jeremy  
Dunster

### Songa

- Songa Mercur
- Songa Venus

### Premium Drilling

- Wilcraft



Stuart  
Allison

### Maersk

- Nan Hai VI
- Kan Tan IV

### Transocean

- Sedco 703
- Jack Bates

### Frontier Drilling

- Frontier  
Discover



Kerry  
Gordon

### Safety Case Guidelines



## Objectives for 2008 Federal Government

- New government in Canberra
  - no significant announcements on Offshore safety to date
- 3 year review recently completed
- Levies review coming up next
- ASCC interest on Occupational Health (incl Noise & Fatigue)



## Objectives for 2008 Incident Response

- New NOPSA reporting number
- From 15<sup>th</sup> April
- Letters to all operators mid March
- 08-6461-7090



# Objectives for 2008

## Planned Inspections

- National Programs
  - Continue with Lifting Ops
    - Findings etc on website
- Planned Inspection focus areas
  - Training and Competency
    - New Unit of Competence for Crane Operators
  - CASA joint inspections
  - Internal Auditing
  - Noise Management
  - Hazardous Substances

## Objectives for 2008 Planned Inspections

- Shipyard visits
  - Risk based approach
- Inspection on arrival
  - Significant concerns about number and age of rigs arriving
  - Planning for detailed inspections on arrival



# Double Fatality – GOM - Feb 08



- What can you take away....
- Challenges to NOPSA ...
- Unit of Competence
- New Incident number ..08-6461-7090

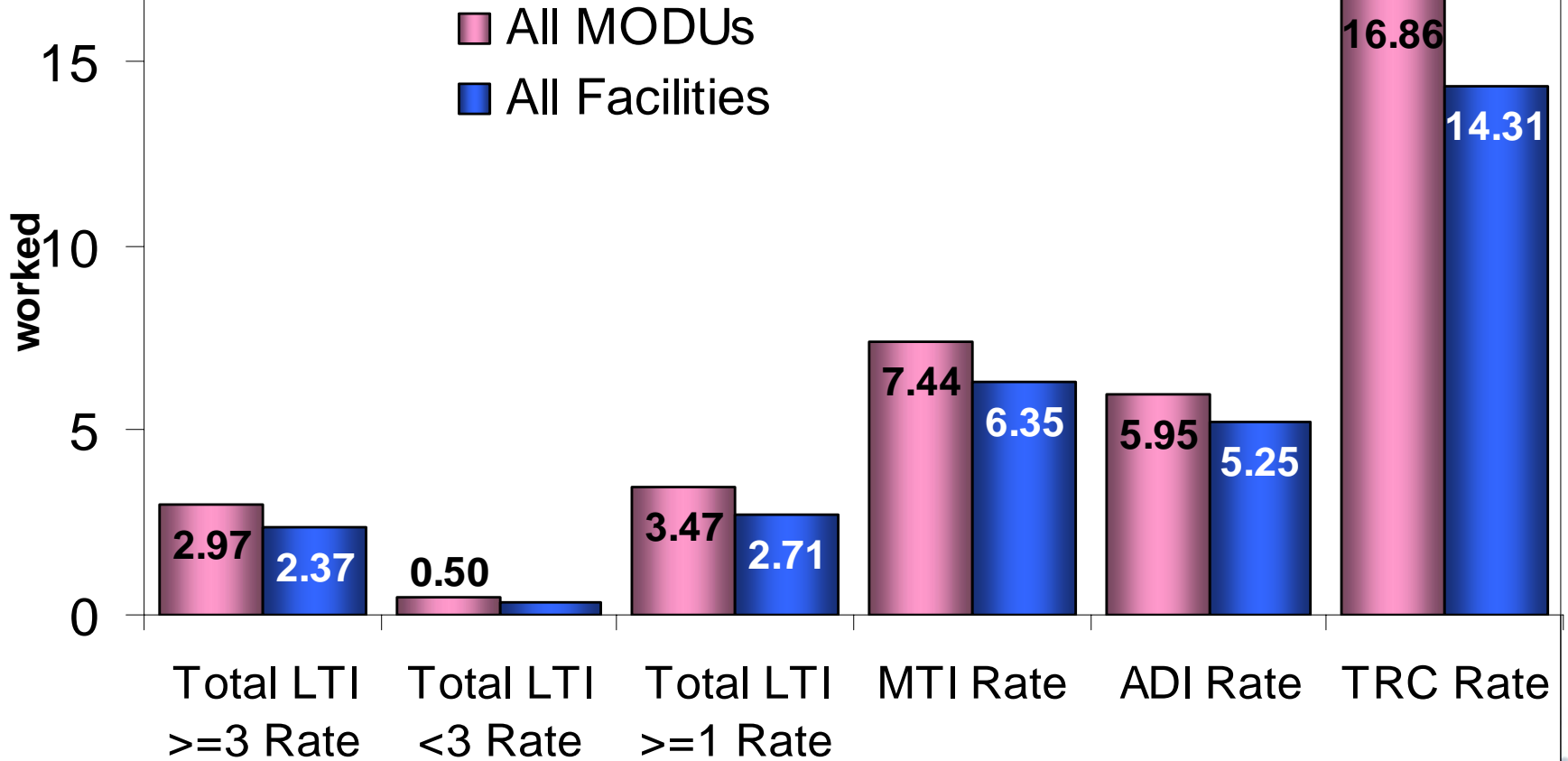


# APPENDIX



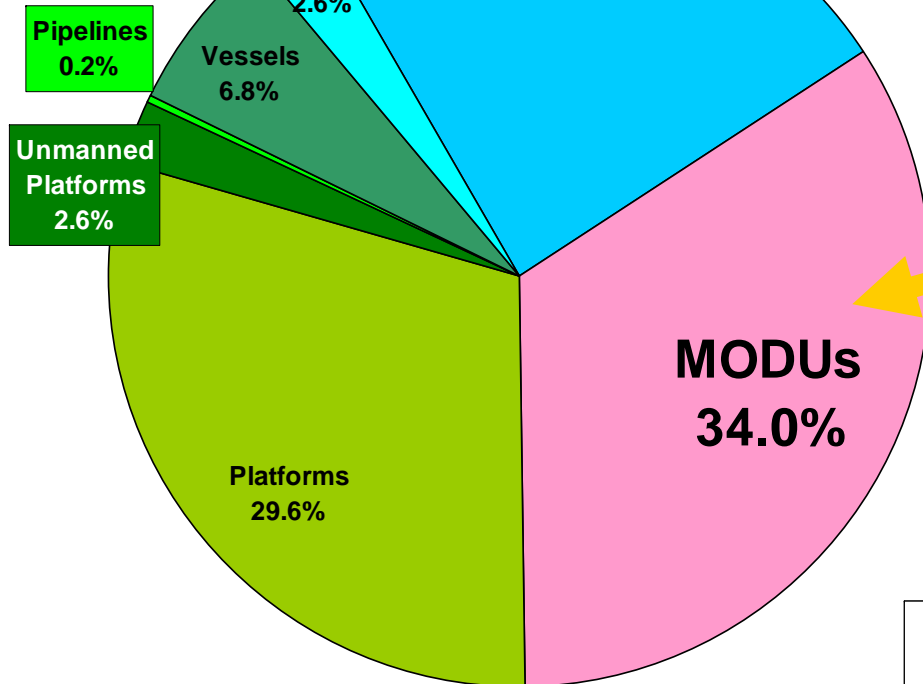
## NOPSA - 2007 Annual Injury Rates

Injury rate per million hours worked



## % Incidents per Facility Type

Jan 2005 - Dec 2007



## Perspectives on 2007 Incidents

MODUs:  
1/3 of all Incidents !

MODUs report a higher proportion of **Major** incidents

### Severity Classes of Incidents

- MODU vs All Facilities

Jan 2005 - Dec 2007

