

# IRF Lifting project



## Progress Report

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# Background



IRF's highest priority concerns with lifting identified as:

- **Competence** of those engaged in carrying out lifting operations
- Deficiencies in the **planning** of lifting operations,
- Inadequacies in the **maintenance** of lifting equipment, and the
- Hazards associated with **man riding** in the derrick

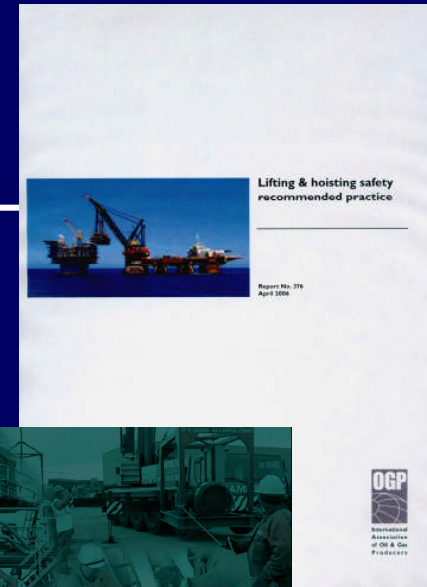
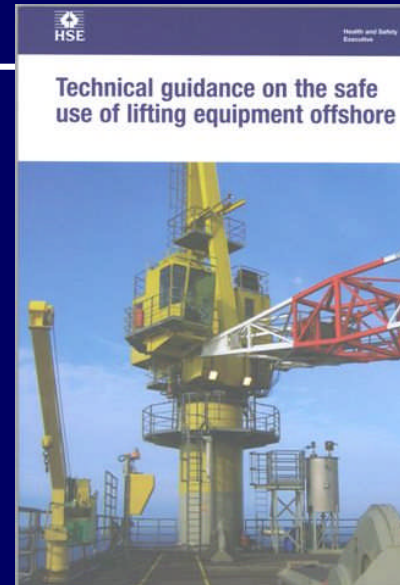
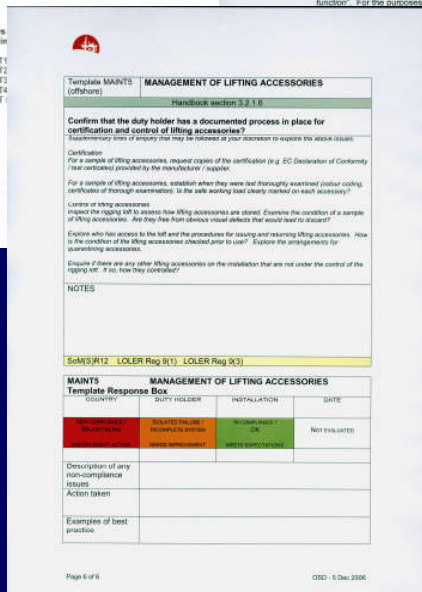
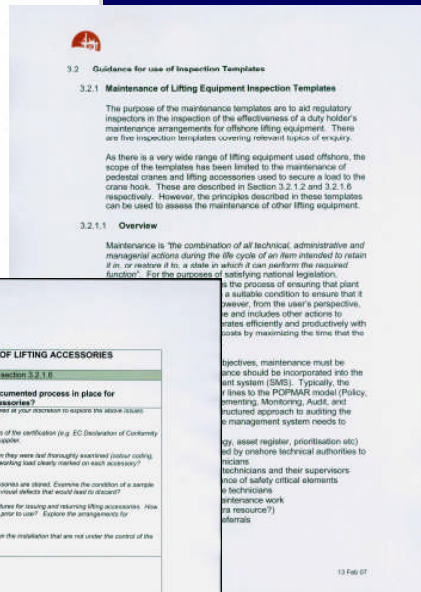
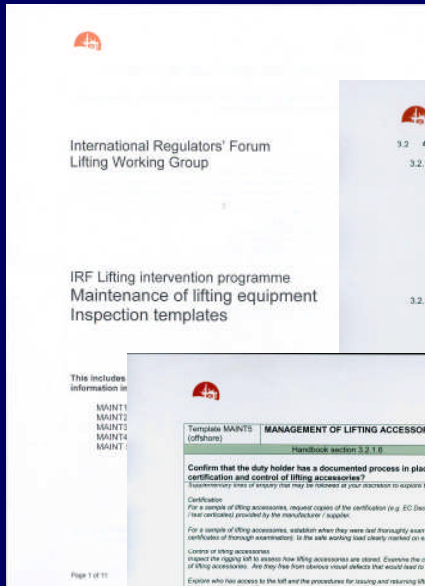
**Learning from lifting incidents**



## Working Group set up to develop a regulatory strategy to:

- provide a consistent, global approach to how we inspect lifting operations
- provide a consistent methodology for collating the root causes of lifting incidents that we have investigated
- promulgate our findings to industry

# Inspection



# KP2 lifting inspections – the main findings



- 74 inspections over 2 years
- 68% of installations inspected had no effective management audit of lifting
- “self-audits” – no independent challenge
- Other problem areas – planning & control, competence

# NSOAF & IRF inspections – the main findings



- Deficiencies in planning of lifting operations
- Poor control of loose lifting equipment
- Maintenance issues – backlog – defects not remedied
- Training and competence



# Outcomes arising from our lifting inspections



- Commitment to continue inspection of lifting operations using the IRF templates
- Guidance published on auditing the management of lifting operations and on rigging lofts
- OMHEC commissioned by NSOAF to develop and or enhance guidelines for planning, management, and training

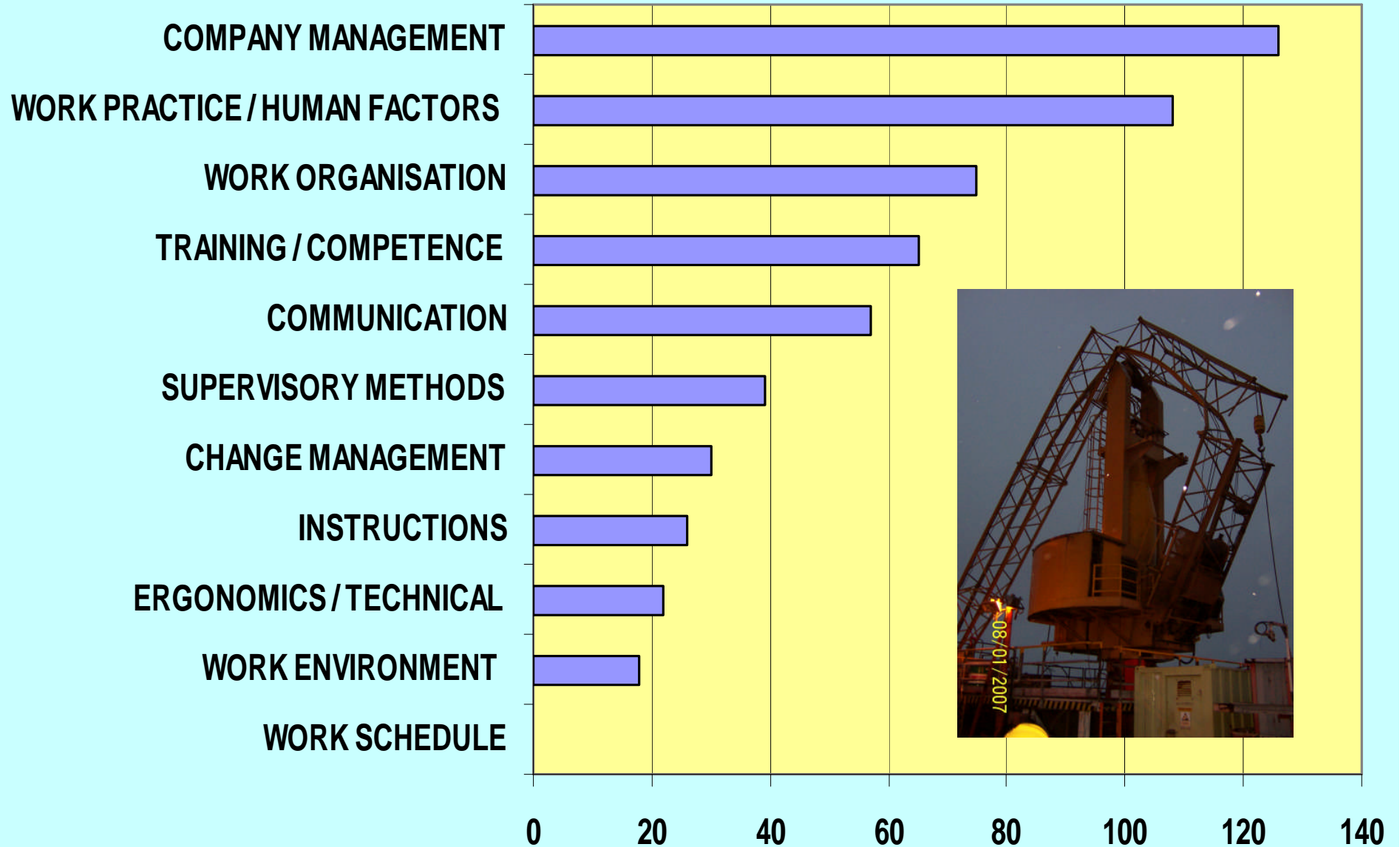
# Investigation of lifting incidents



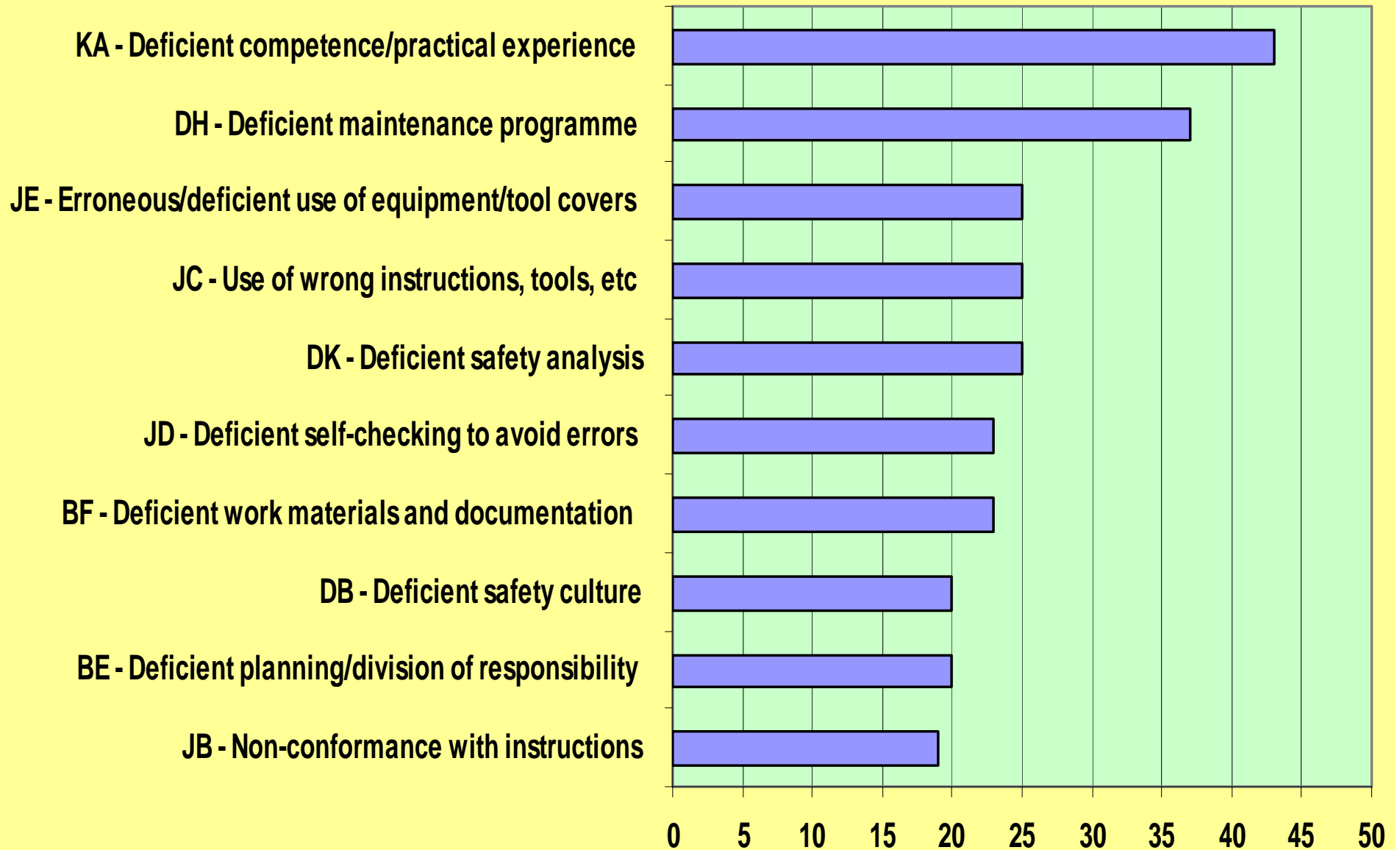
- SharePoint database established to store results arising from regulatory inspections and investigations
- Database being populated with incidents investigated since January 2005
- Human / Technology / Organisation (HTO) methodology adopted to classify the root causes of investigated incidents



# Lifting incidents - HTO causes



# Lifting - Most common HTO root causes



# What's next?



- Regulators to continue to raise the profile of lifting operations using the IRF templates and audit methodology
- Continue to record the root causes of investigated incidents
- Publish our findings on the IRF web site