

Guidelines for Risk Surveys

Timothy W Bibbs

General Director – Mensor Limited



MENSOR



**XIII Международный Профессиональный Форум
УПРАВЛЕНИЕ РИСКАМИ В РОССИИ И СНГ**

3 – 4 June 2015

Moscow

Guidelines

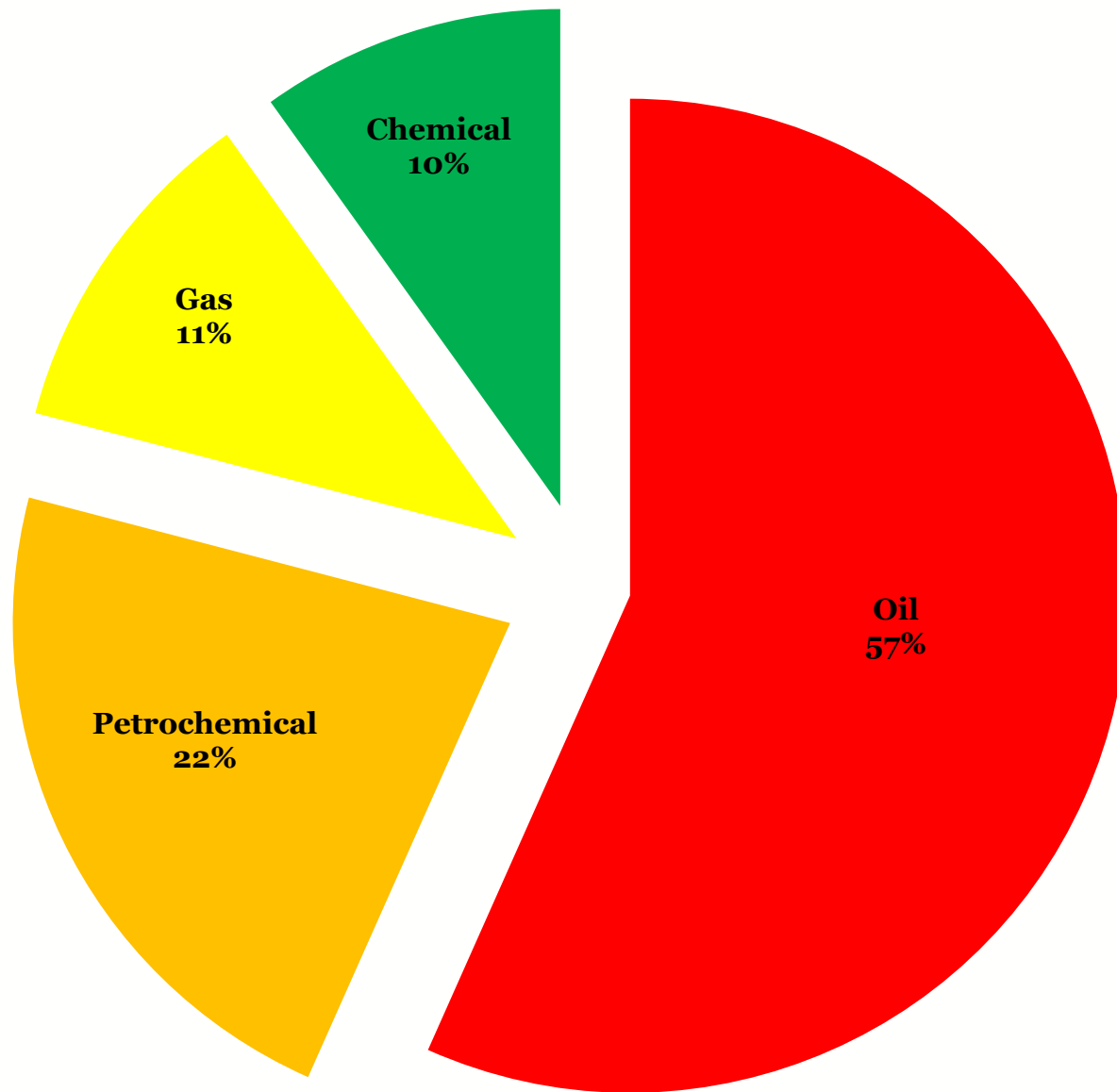
In May 2015, Lloyds Market Association issued guidelines for the planning, preparation and execution of oil, gas and petrochemical risk engineering surveys

- Aims
- Analysis
- Causes of Losses
- Mechanical Integrity
- Requirements
- Guidelines
- Conclusion

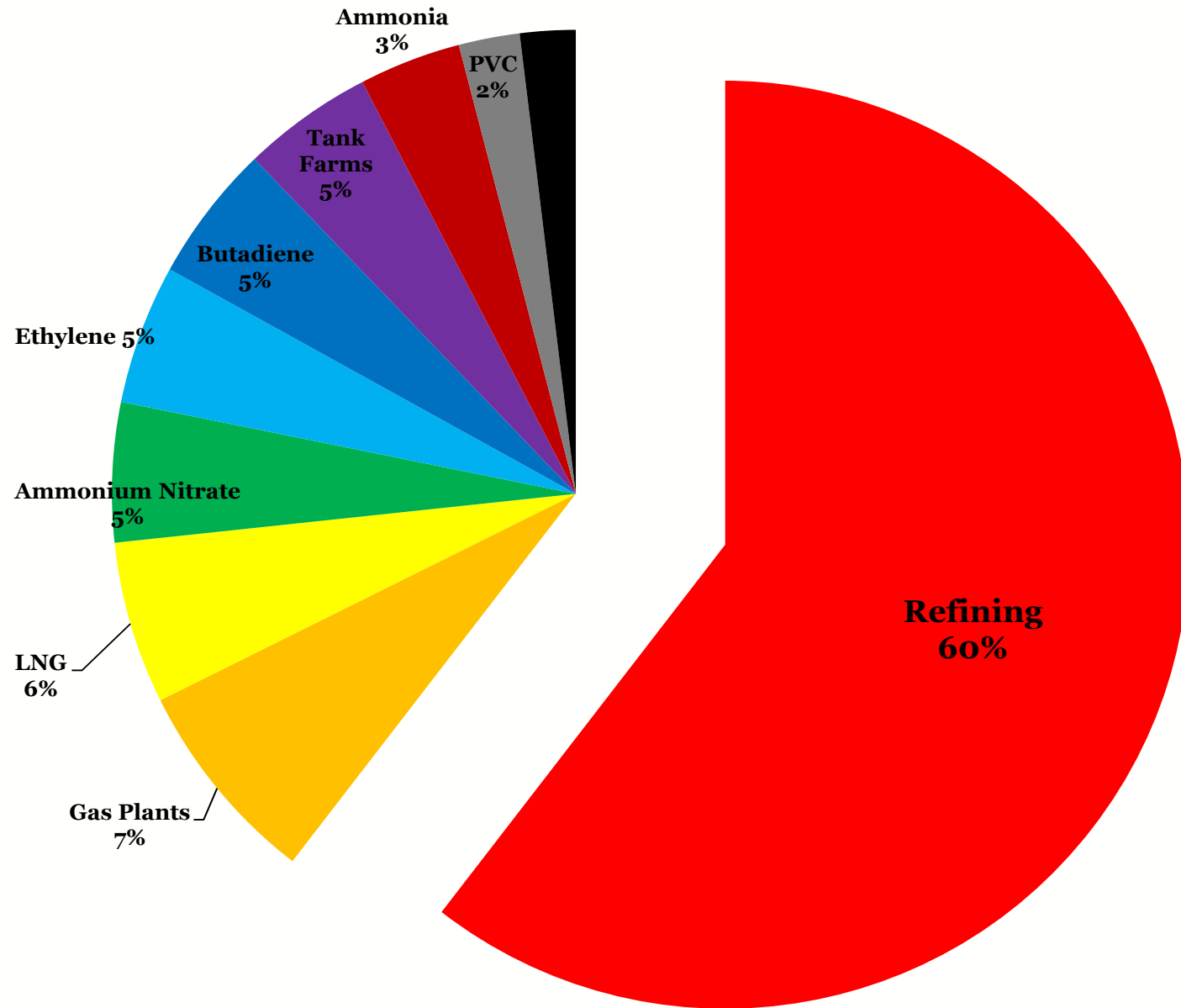
- Re-focus
- Modernise
- Meet Reinsurers' needs

- Oil, Gas & Petrochemicals
- 45 Major Losses
- 15 years
- Primary, Secondary & Tertiary Causes
- No Analysis of Root Cause
- Identify Risk Control Elements

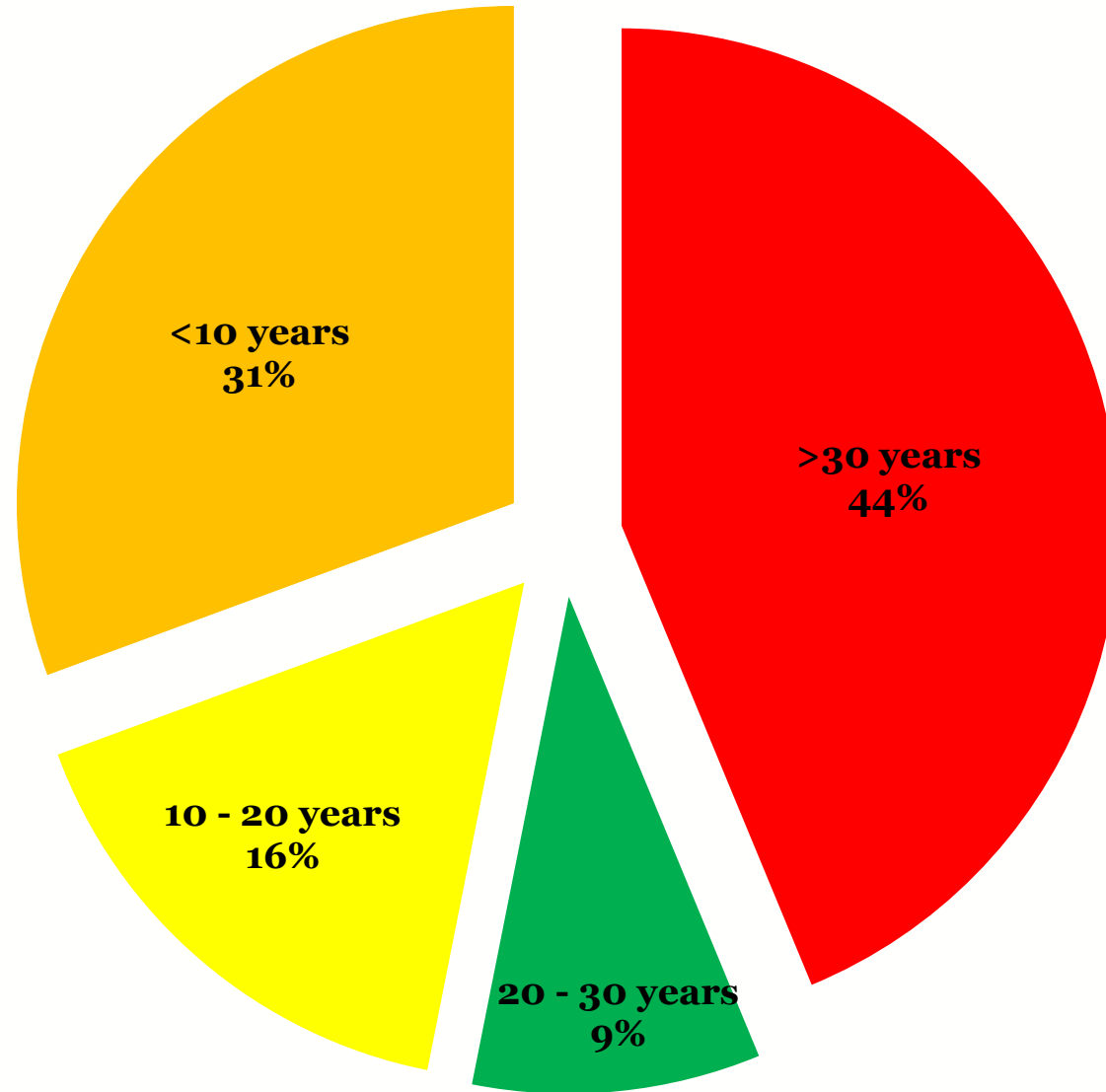
Losses by Sector



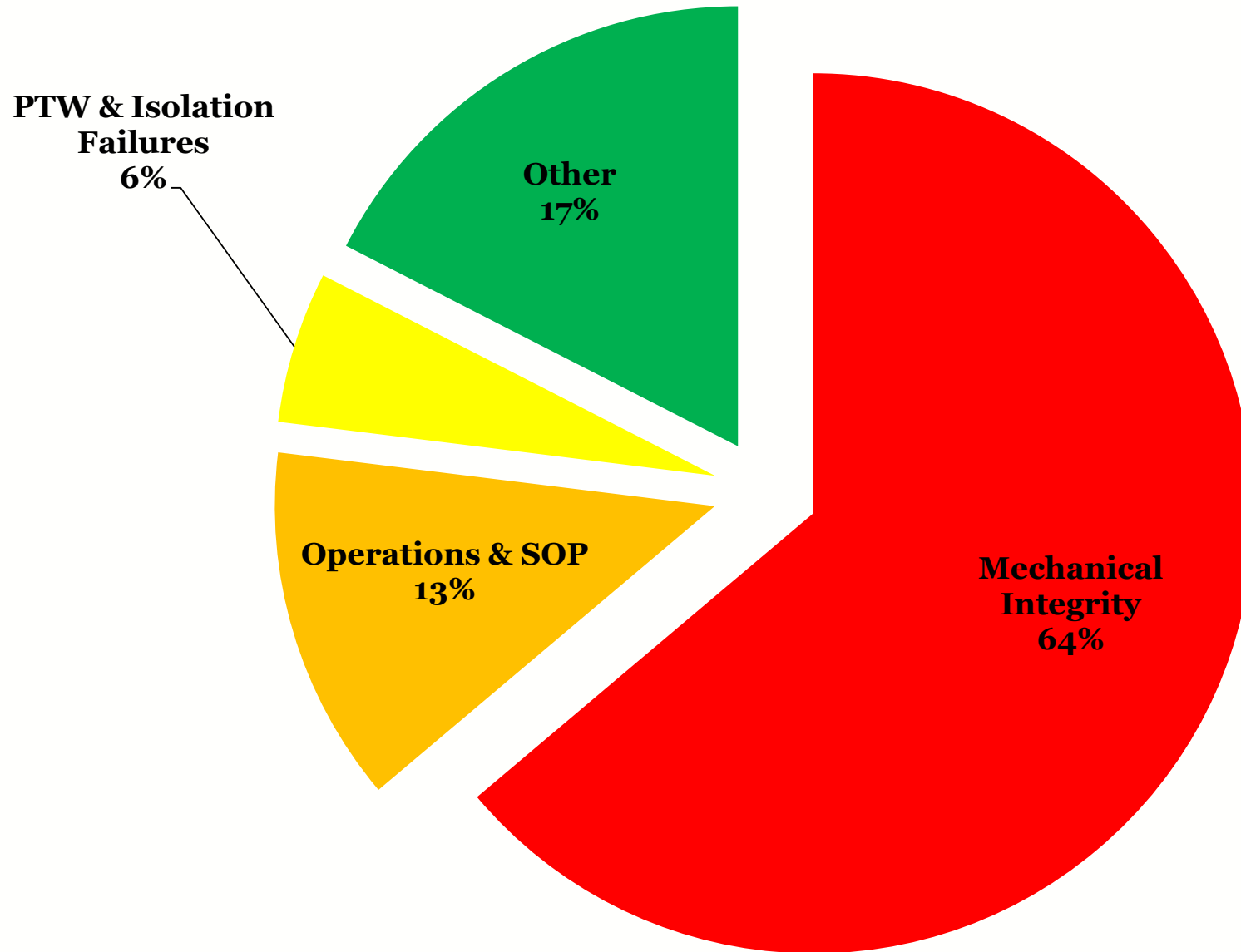
Losses by Occupancy



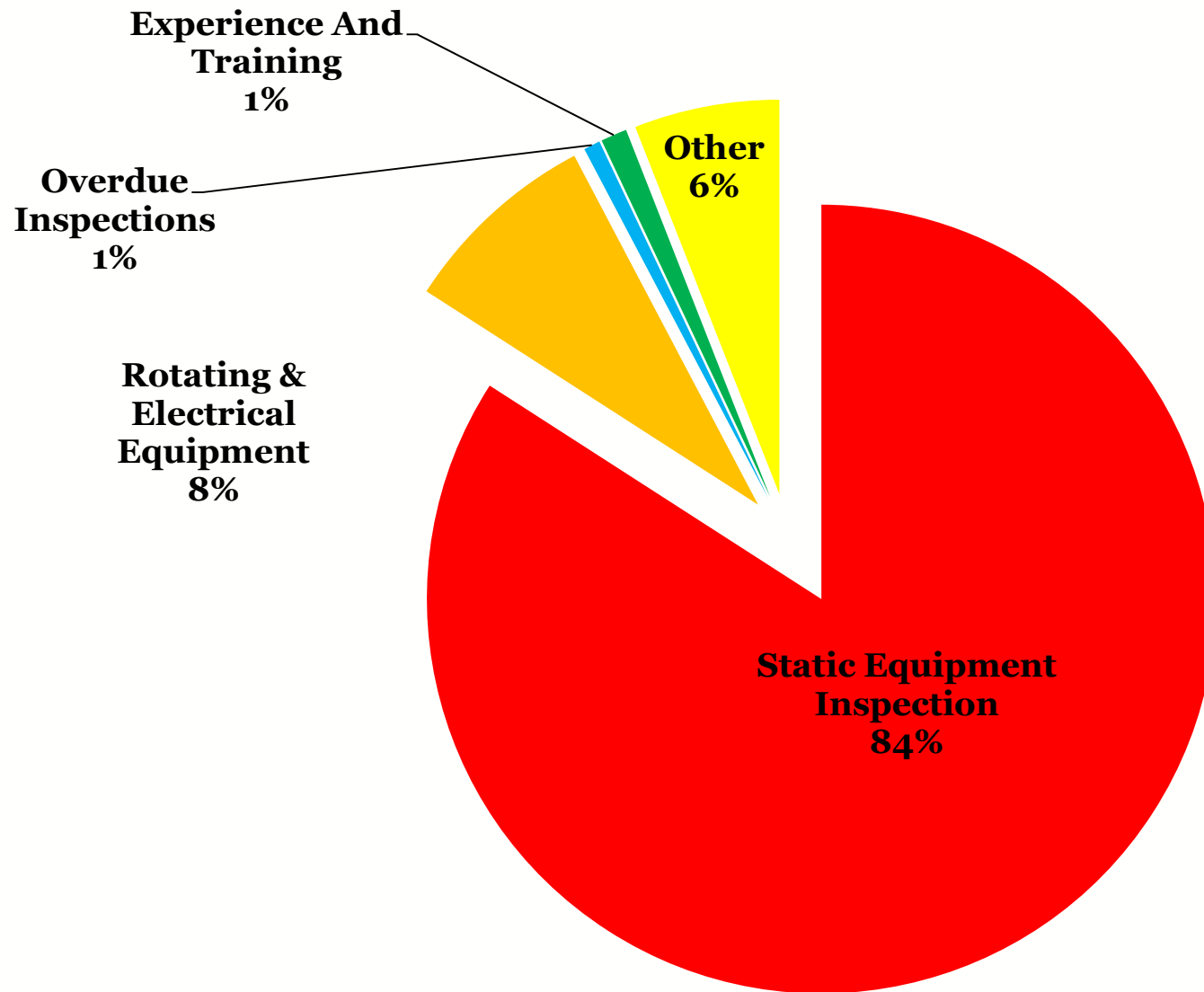
Losses by Age



Losses by Cause



Losses by Cause



Pipework Failure = 80% of Static Equipment Losses

Causes of Losses

- Mechanical Integrity Failure - Corrosion
- Failure of Operating Practices
- Poor Design/Hazard Identification
- Maintenance: Isolation, Permit to Work
- Poor Management of Change
- Lack of ROVs

- Inadequate Piping Inspection
- Poor Materials/Equipment Selection or Defect
- Inadequate Equipment Inspection

Piping Inspection

- Understand Corrosion Mechanism
- Involve Corrosion Engineer
- Involve Qualified Inspectors
- Analyse Changes in Feedstock etc.
- Check Incoming Materials
- Consider External Corrosion
- Develop Suitable Programme
- Access all Locations

- Process Safety and Loss Prevention
- Common Causes of Losses
- Evidence-based Risk Engineering Opinion
- Effectiveness of Implementation
- Reporting of KPIs

The Guidelines

- INFORMATION GUIDELINES FOR OIL, GAS & PETROCHEMICAL RISK ENGINEERING SURVEY REPORTS
(LMA document reference OG&P IGSR 2015/001)
- OIL, GAS & PETROCHEMICAL RISK ENGINEERING SURVEY REPORT CODE OF PRACTICE
(LMA document reference OG&P RESCOP 2015/001)
- GUIDELINES FOR THE EFFECTIVE CONDUCT OF OIL, GAS & PETROCHEMICAL RISK ENGINEERING SURVEYS

Available on Mensor Website: www.mensor.pro

- Understand Losses
- Loss Prevention vs Loss Mitigation
- Study the Evidence

All Mensor Reports Conform to Guidelines

Thank you for your attention

MENSOR **The Surveyor**

United Kingdom

Timothy W. Bibbs

Telephone: + 44 208-502-6400

Fax: + 44 208-500-8375

Mobile: +44 7802-931547

e-mail: bibbs@mensor.pro

Russia

Vyacheslav Aleshkin

Telephone: +7 (926) 222-41-03

e-mail: aleshkin@mensor.pro

Mensor Ltd

2-Roschinskaya str., 4
of. 503, Moscow, Russia

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