



# LLOYD'S REGISTER Asia Experience with TMSA Gap Analysis

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Tanker Management and Self  
Assessment  
LLOYD'S REGISTER



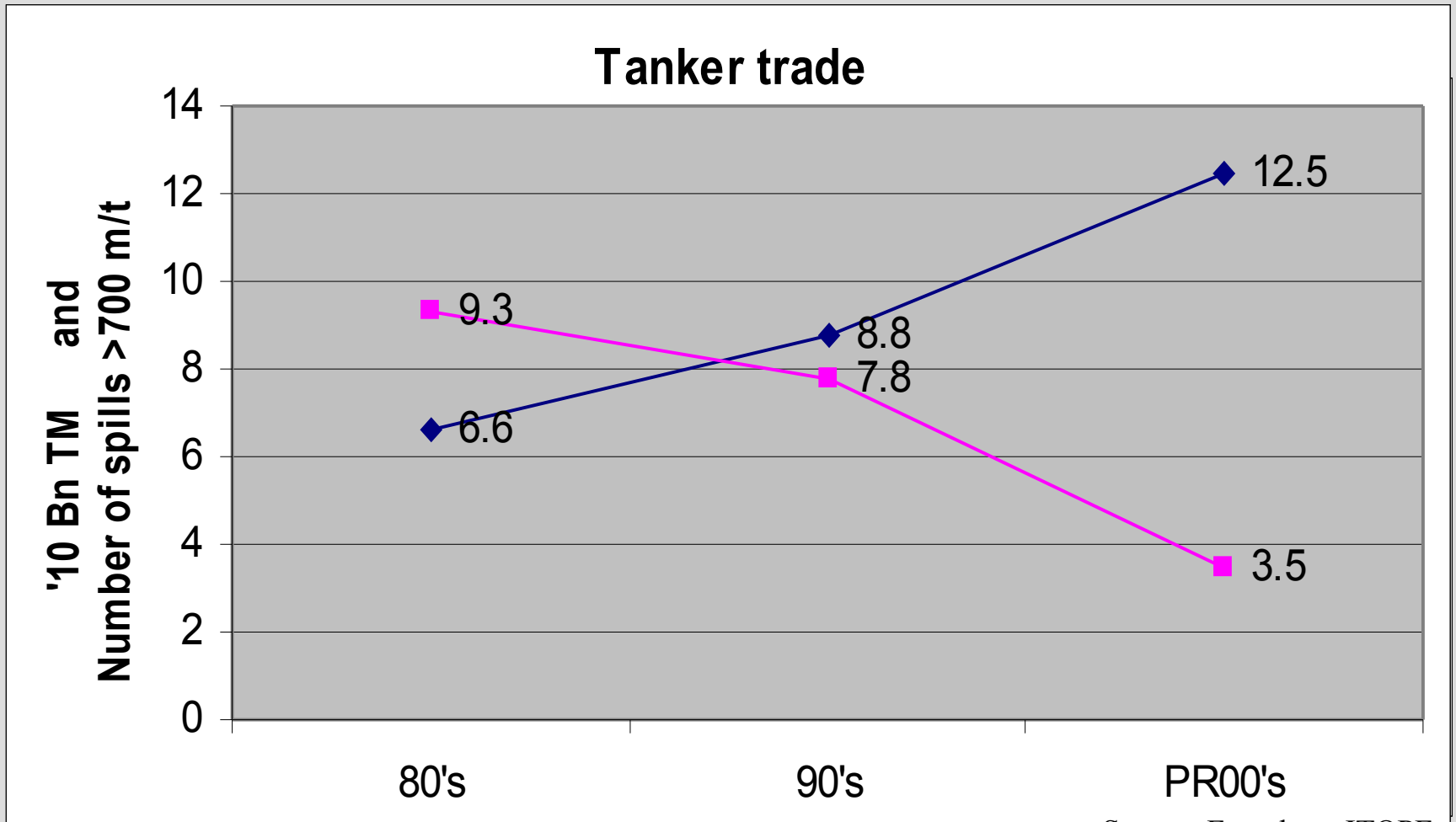
# Agenda

- The IS M Code
- Why TMS A
- How does it work
- Difficulties and Challenges
- How can Lloyd's Register help

# The IS M Code

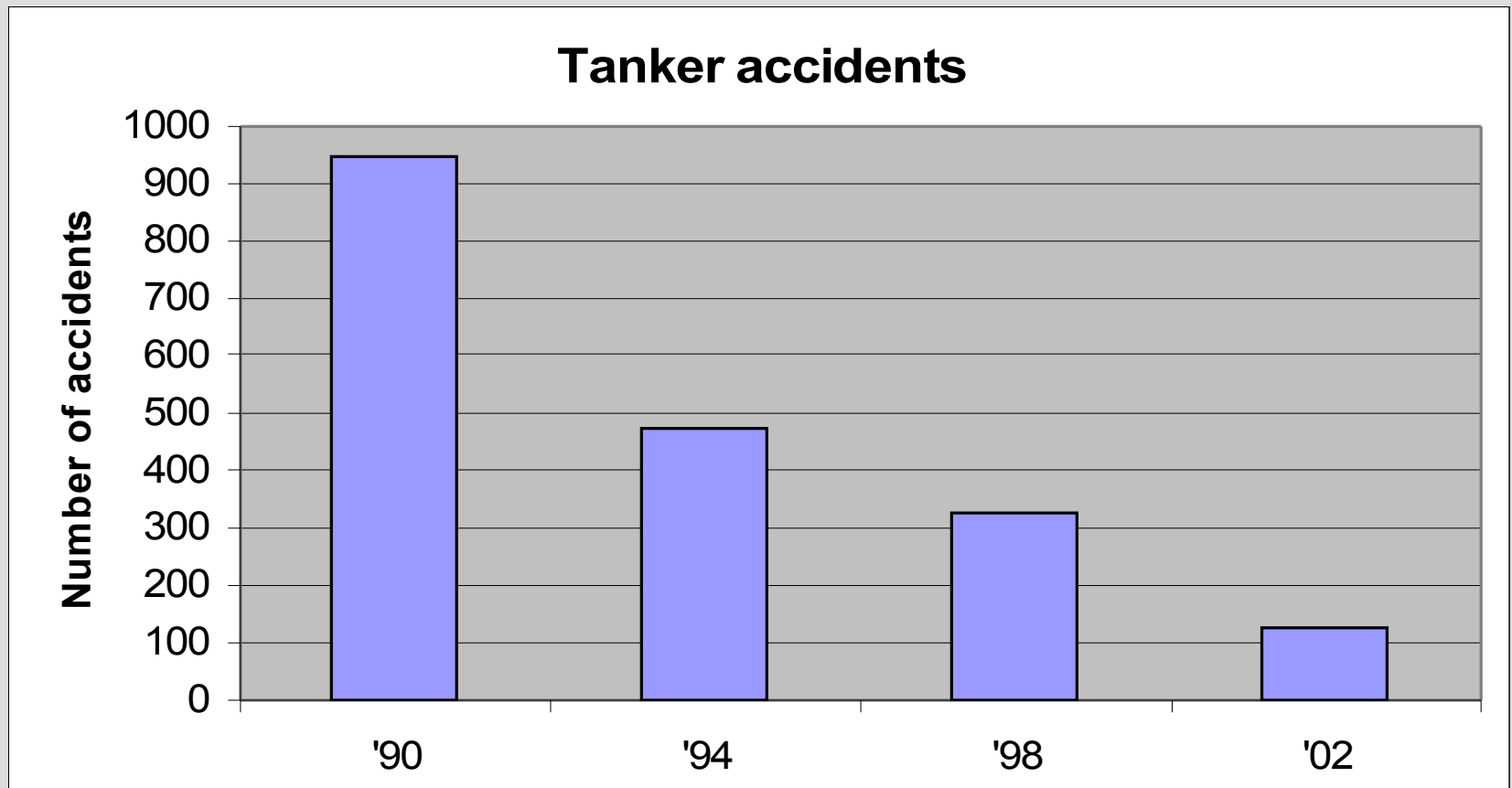
- 1994 - IS M code as chapter IX in SOLAS
- Is it working?
  
- Immediate benefits :
  - Provided Frame work for Management S ystem
  - Self - Checks , S ystem Reviews
  - DOC - Company S pecific S MC 's
  - S hip managers accountability
  - Reduction in accidents?

# Lagging indicators



Source: Fearnleys, ITOPF

# Lagging indicators



# WHY TMSA

- ISM has broad guidelines
  - Level of implementation not the same
  - But the DOC is the same
- 
- TMSA - Not a certification exercise
  - Proactive measure
  - Encourages transparency
  - Strategic road map for the future

# Tanker Management and Self Assessment

- External factors:
  - Hardware alone will not improve safety
  - Human elements
- Internal factors:
  - Embrace best practice
  - be recognized as a quality operator
- Move beyond minimum compliance

# Critical Issues

**No harm to people**  
**Measure LTA's**  
**Zero pollution**

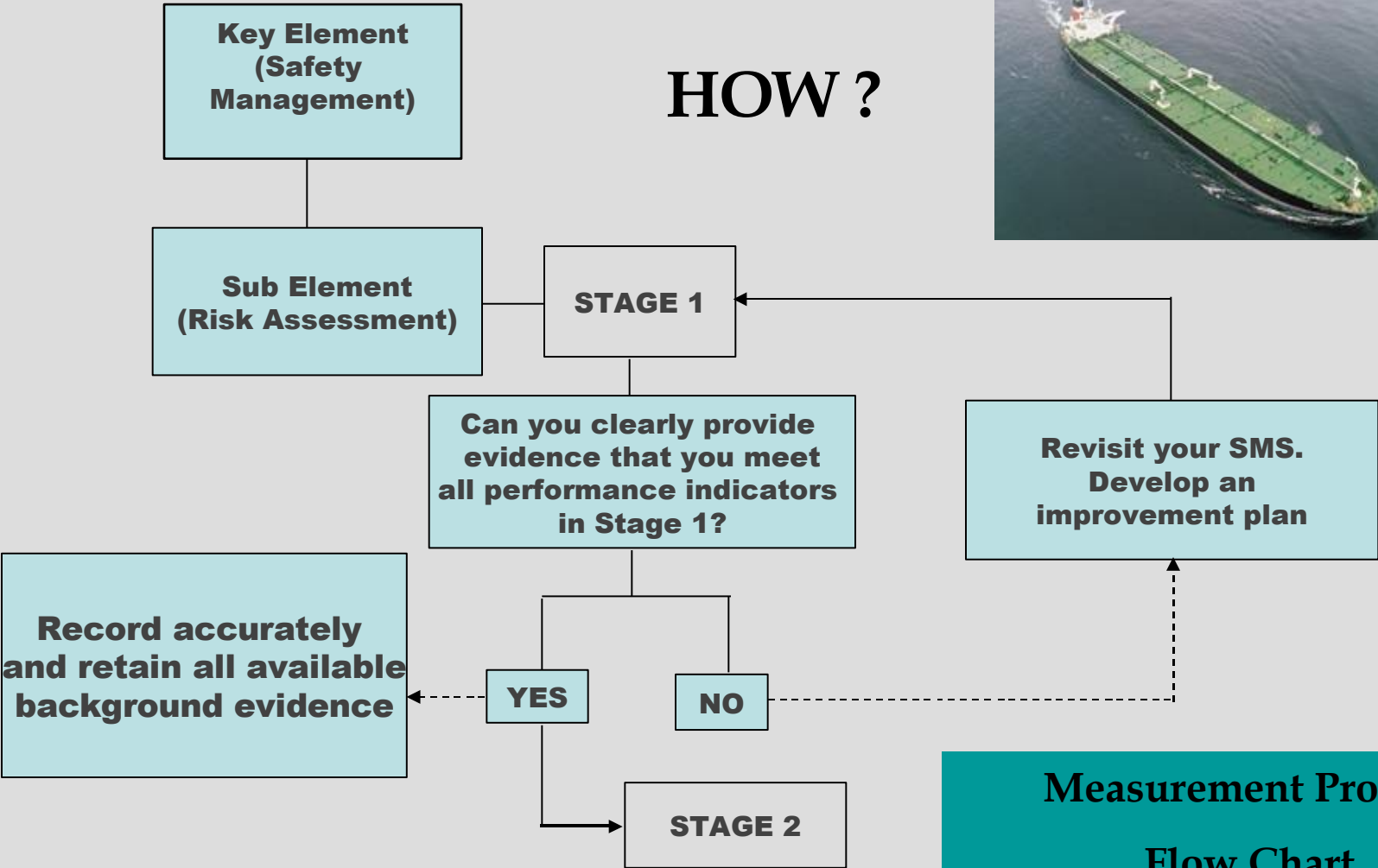
# Critical Issues

## **REPUTATION**

# Difficulties and challenges

- Element 1 - Vision, mission, objectives, goals, targets
- Element 2, 3 - Training
- Element 4, 6, 7, 9 Risk Assessments ... consistency checks
- Element 7 - non-routine?
- Element 11 - Investigations - what colour are these words?
  - Red, Blue, Green, Purple
- Element 12- Data mining, benchmarking
- Non believers
- Disagreements

# HOW ?



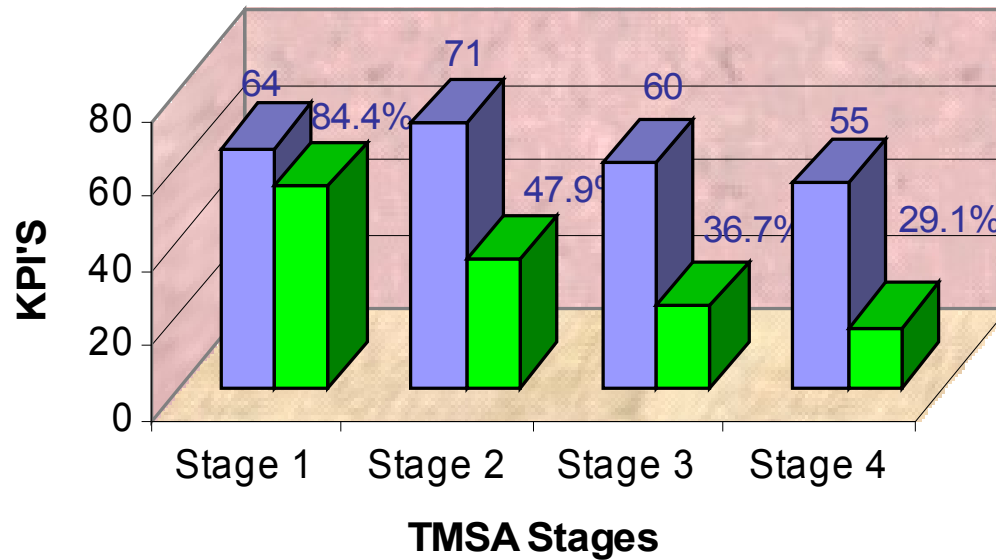
**Measurement Process  
Flow Chart**

# Self Assessment

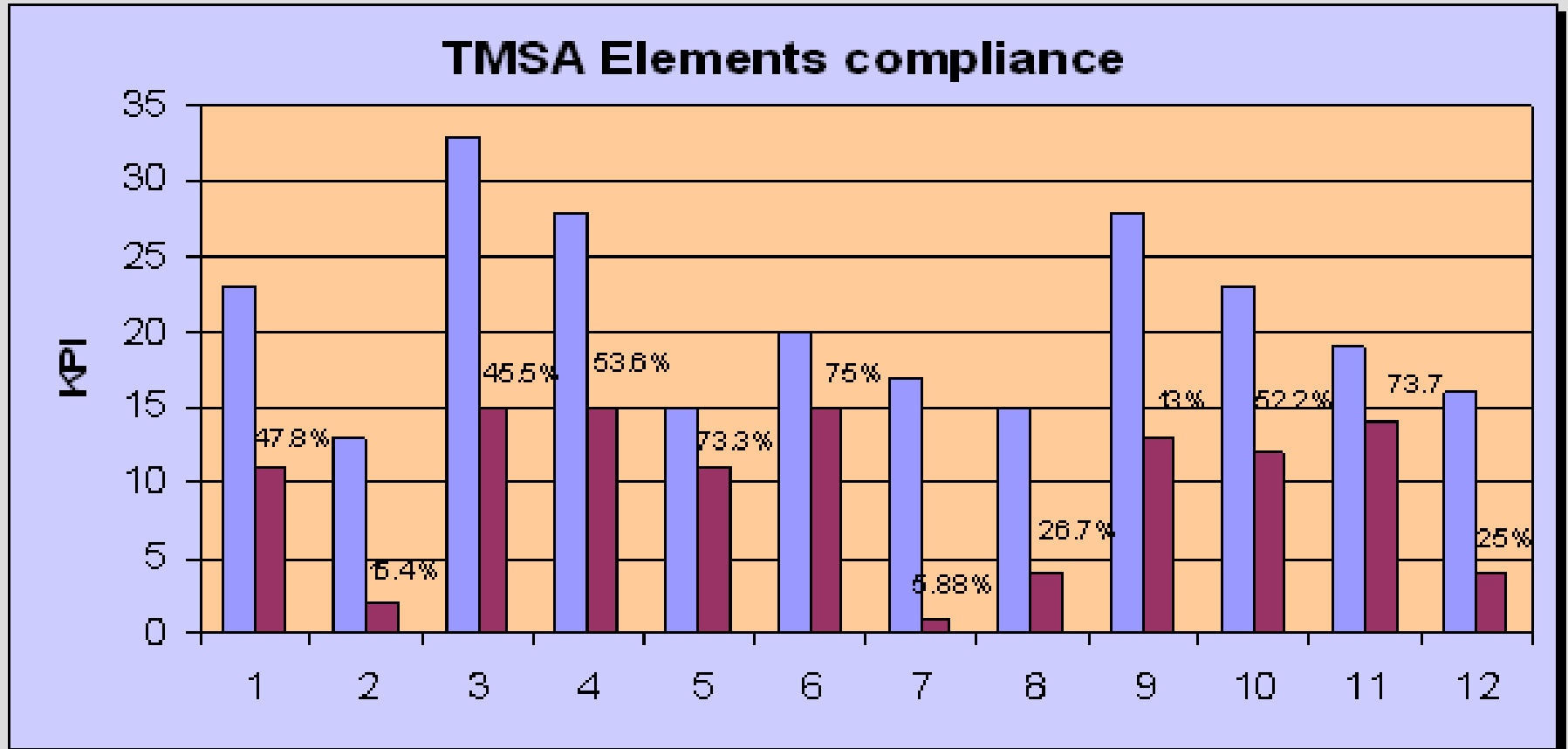


# Lloyd's Register Experience Stage 1 - 4

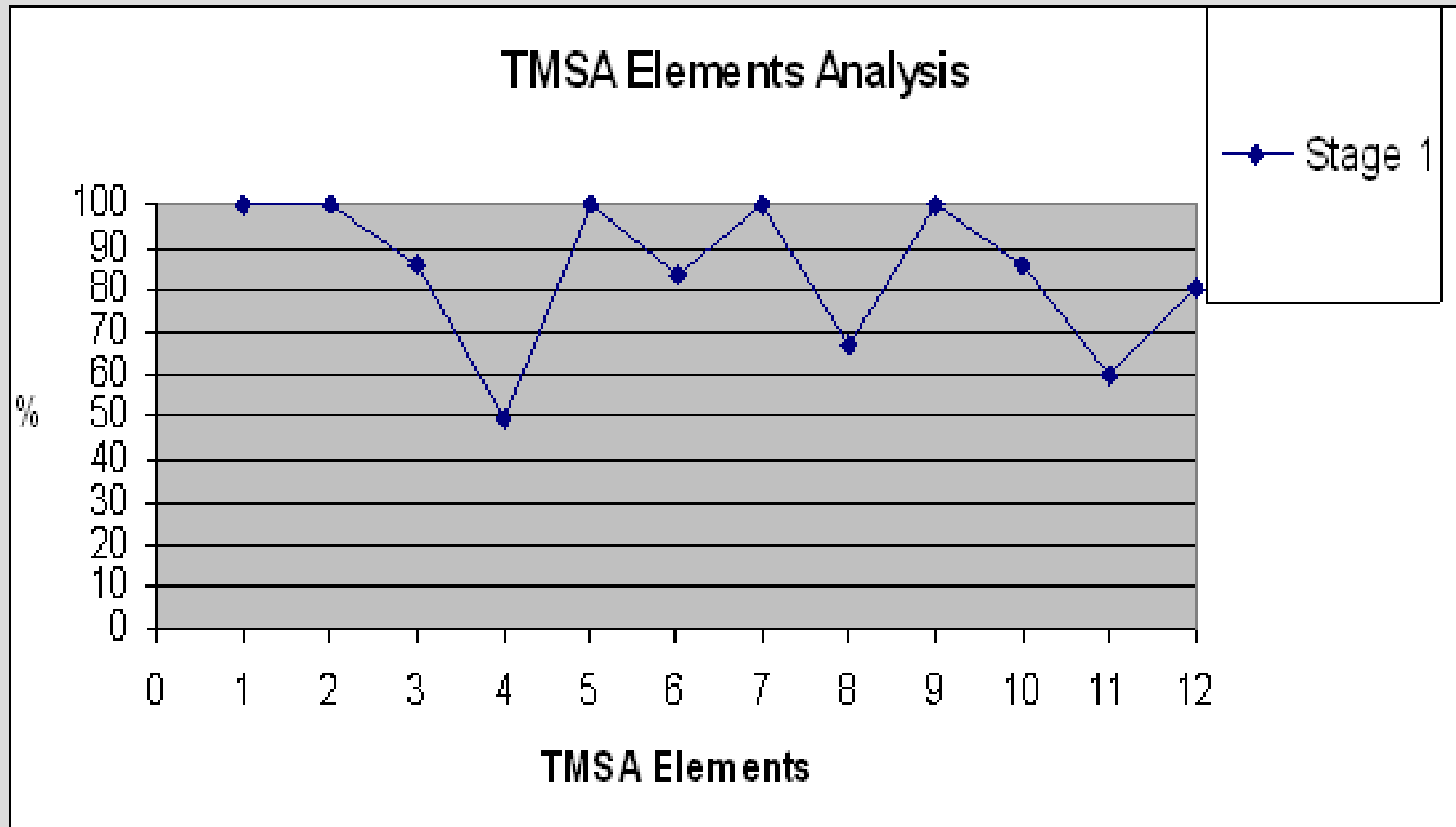
## TMSA compliance



# Lloyd's Register Asia Experience



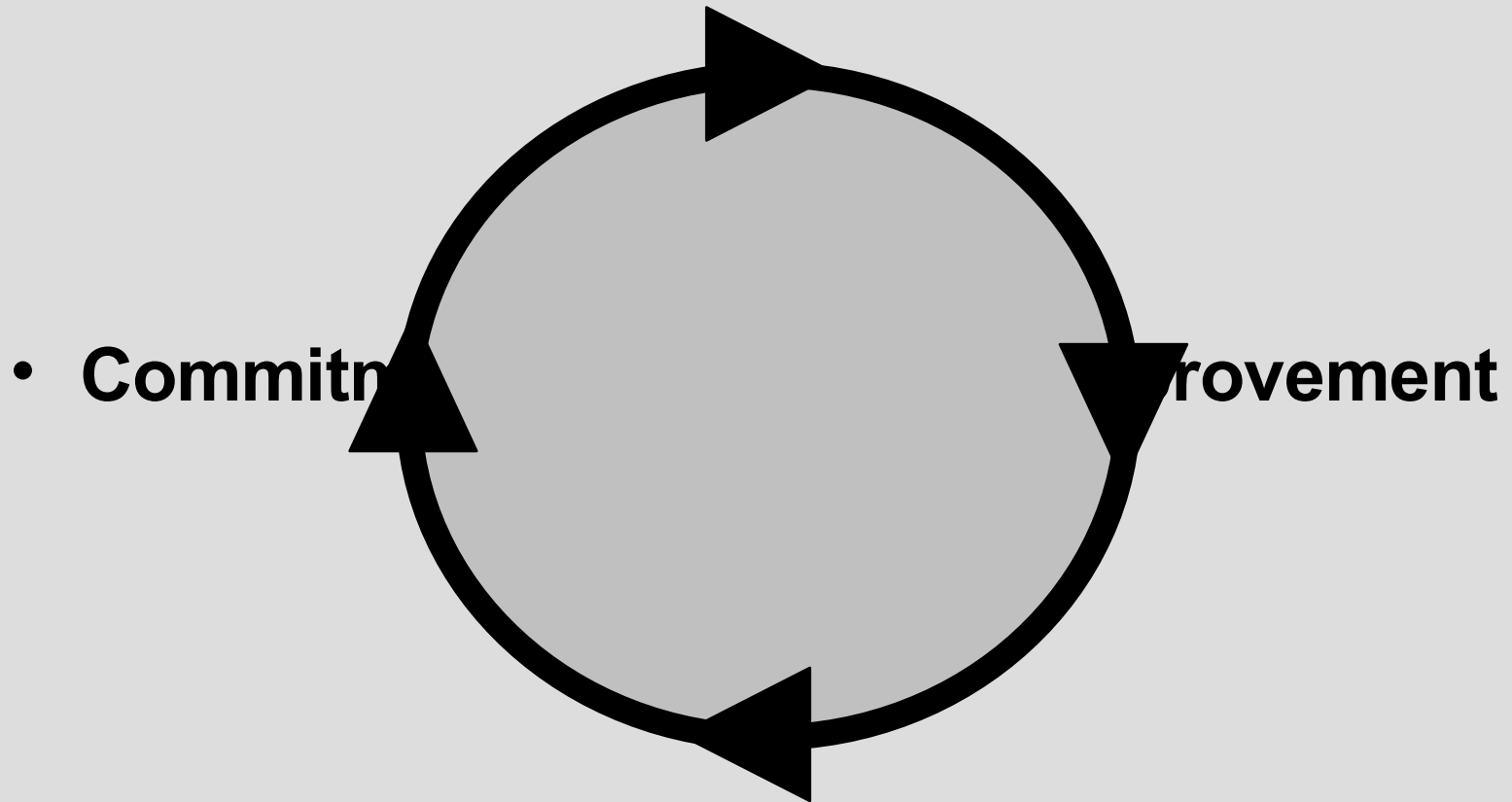
# Lloyd's Register Asia Experience Elements 1 - 12



# Development of strategic road map

- An analyst can help you only with this much
- Time for decision making
- Analyse cost - benefits
- Spend or invest?
- Efficiency versus effectiveness

# How is this achieved ?



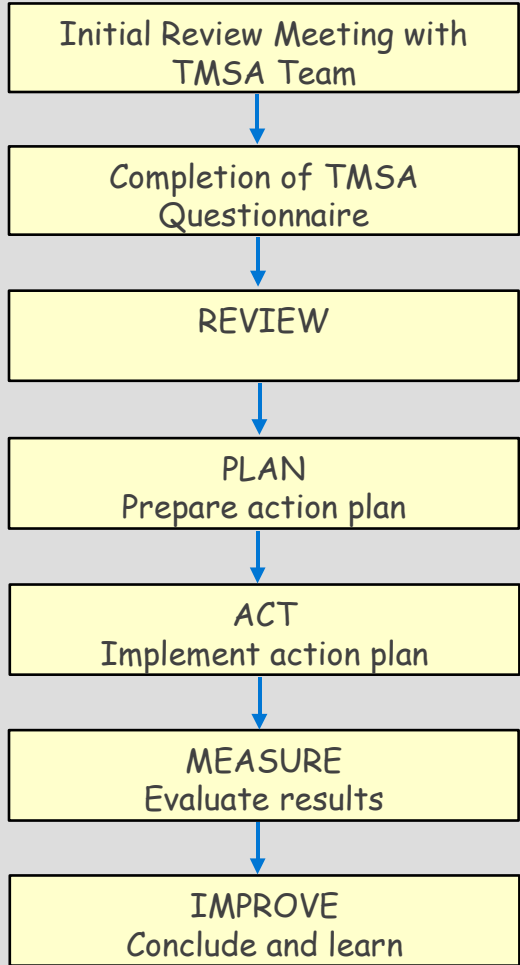
## What Lloyd's Register Does, and how do we do it?

- Provides leading edge
- Work with ship operators, as a team
- Review what has been done
- Provide guidance and priorities
- Value added training

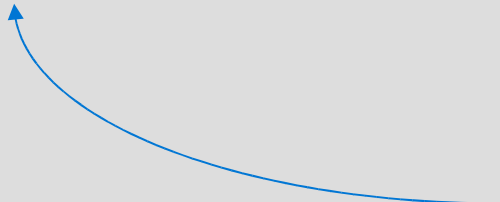
# How can LR help?



## Company Activities



Develop improvement plan and introduce new measures



# Life Matters



**Working together to improve  
business performance**