



## **SIMOPS**

# **Good DP Practice (A Positive Approach)**

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[Return to Session Directory](#)

# Good DP Practice

- *Specifications*
- *FAT*
- *Shipyards*
- *On Board Training*
- *Risk Assessment*
- *Safest Mode of Operation*
- *Check Lists*
- *FMEA*
- *Watchkeeping*
- *DP Capability*
- *Annual Trials*

# RULES & GUIDANCE

- IMO MSC 645
- Classification Society Rules
- IMCA M 103 Design & Operation
- IMCA M101, 112 & 139 Annual Trials
- IMCA M117 (IMO MSC 738) Training & Experience
- IMCA MI66 & 179 FMEA
- IMCA M 182 OSVs

# DP SPECIFICATION

- CUT & PASTE
- MULTIPLE REFERENCES
- VENDORS OFFER
- SHIPYARD FREEDOM
- VESSEL SPECIFIC
- HIGH LEVEL

# Factory Acceptance Tests (FAT)

- HARD & SOFTWARE STATUS
- COMPLIANCE WITH ORDER
- COMPLIANCE WITH CLASS
- PROBLEM FINDING
- UNDERSTANDING (COMMUNICATION)
- REDUCED TRIALS TIME

# Factory Acceptance Tests (FAT)

- VENDOR'S FAT
- ADDED VALUE
- REVIEW
- PRIORITIES
- EXTEND
- FOLLOW UP

# SHIPYARD TEAM

- PROJECT TEAM
- SHORE POWER TO VESSEL POWER
- TRANSITION
- COMMISSION
- SEA-GOING TEAM

# ON BOARD TRAINING

- AFTER A NEW INSTALLATION
- REMAIN ON BOARD
- SPECIAL ARRANGEMENTS
- SERVICE VISITS
- EXPERIENCED PERSONNEL



# ON BOARD TRAINING FOR NEW PERSONNEL

- ASSESSMENT
- PROGRAMME ADJUSTMENT
- RESPONSIBILITY
- SIGN OFF

# RISK ASSESSMENT

- SHORE BASED
- GENERIC
- PREPARATION
- EXPERIENCE
- VALUABLE TOOL

# SAFEST MODE OF OPERATION

- INDEPENDENT OF DP CLASS
- VESSEL SPECIFIC
- CAN CHANGE WITH INCREASING ENVIRONMENTAL CONDITIONS
- WSOG
- POSITION REFERENCES

# CHECK LISTS

- BRIDGE & ECR
  - LOCATION
  - WATCHKEEPING
- COMPANY
- VESSEL SPECIFIC
- FLEXIBLE

# FMEA

- REDUNDANT VESSELS
- PROVEN
- LIVING
- OWNERSHIP
- UPDATING
- QUALITY
- RELEVANCE

# WATCHKEEPING

- ONE HOUR
- SIX HOUR
- TWELVE HOUR
- PERSONALITIES
- HUMAN FACTORS

# WATCHKEEPING

- RECORDING
- REPORTING
- HAND OVERS
- PLAY TIME

# DP CAPABILITY

- PLOTS
- PROVING PLOTS
- FOOTPRINTS
- BENCHMARKING
- PROBLEM IDENTIFICATION



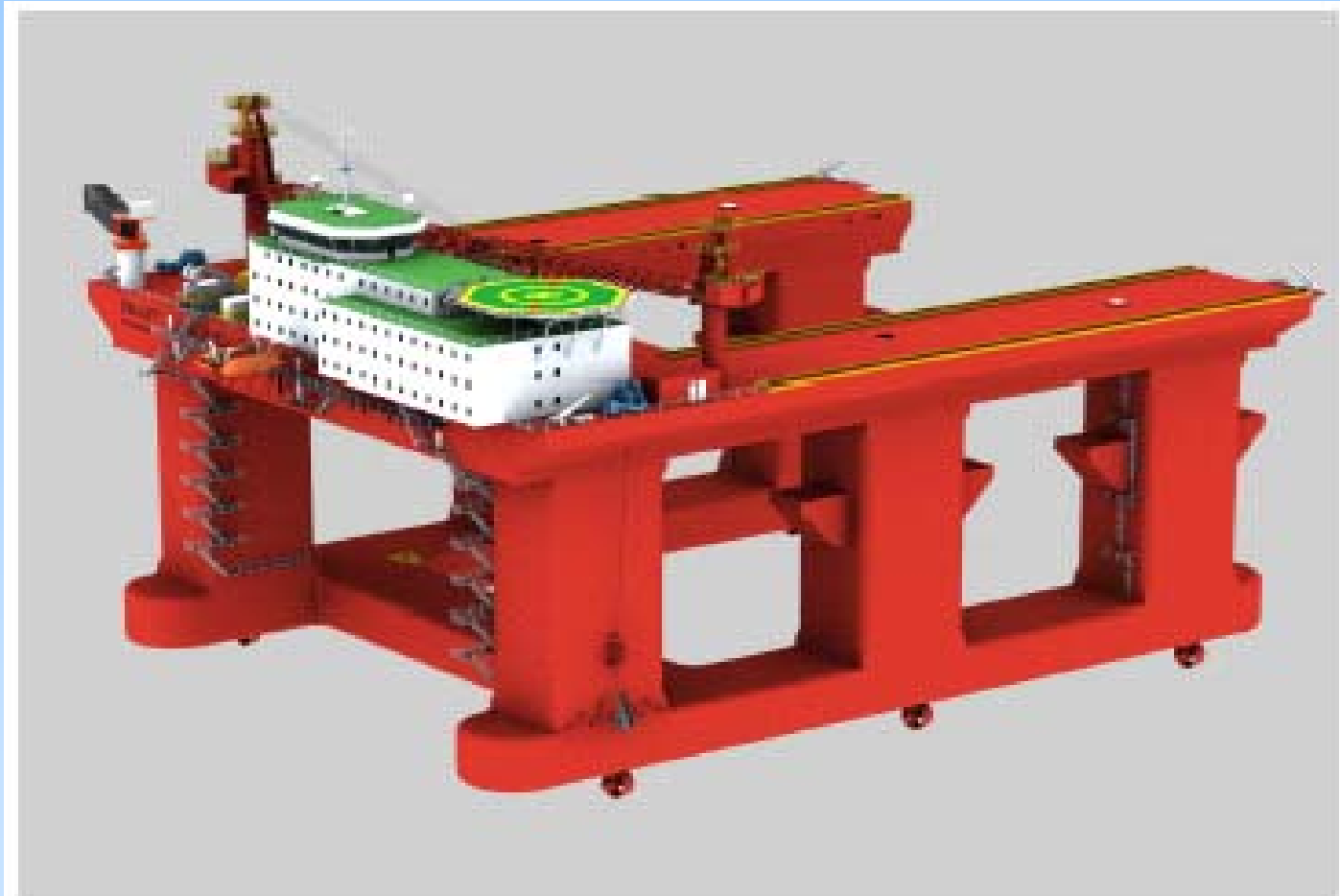
# ANNUAL TRIALS

- VESSEL SPECIFIC DOCUMENT
- INPUT FROM KEY DP PERSONNEL
- PRIORITY FOR 24 HOURS
- CLOSE OUT
- BENEFITS
  - KNOWLEDGE
  - RISK REDUCTION
  - RELIABILITY

# CONCLUSIONS

- GOOD DP PRACTICE
  - HAS NO BARRIERS EXCEPT ONES MADE BY “HUMAN FACTOR” CAUSES
  - HAS NO COST .....***BUT***
  - TAKES EFFORT
  - HAS A SIGNIFICANT PAY OFF IN
    - CULTURE
    - EMPLOYMENT
    - MANAGEMENT OF THE UNEXPECTED
  - SELDOM HAS REWARD & NEVER GLORY

# GM-LIFT



[Return to Session Directory](#)

# DP JACK-UP



# GM4000



[Return to Session Directory](#)