

A blue travel diary cover with white text is shown at an angle on a wooden surface. The text on the cover reads "Are we nearly there yet?" in a large, rounded font, and "Travel diary" in a smaller font below it.

Are we
nearly
there
yet?

Travel diary

And where are we going next?

A WORLD OF OPPORTUNITIES

ITINERARY:

- Consultancy, Training and Support
- DROPS Global Chapters
- DORIS
- DROPS Calculator
- Reliable Securing



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DROPS MEMBER ASSISTANCE:

- **Tailored DROPS Train the Trainer**
- **Site Visits and Awareness Presentations**
- **Gap Analysis**
- **System Development Support**
- **Opportunities to Share Best Practice and Lessons Learned**



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COMMON FINDINGS:

- **Reliance on Third Party services**
 - SURVEYS and INSPECTIONS
- **Definitions**
 - SECONDARY RETENTION vs SAFETY SECURING
- **Causal Factors**
 - NO HAZARD IDENTIFICATION
- **Awareness and application beyond Drilling**
 - DESIRE TO IMPLEMENT AND IMPROVE



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RISK BASED APPROACH

- **DROPS CONTROLS** (preventive and mitigating)

	AREA APPLICABLE		
○ Primary Fixings and Secondary Retention	Red		
○ Preventive Maintenance System	Red	Yellow	
○ Independent Dropped Object Surveys	Red		
○ Planned Dropped Object Visual Inspections	Red	Yellow	Green
○ Pre-Task Risk Assessments and Checks	Red	Yellow	Green
○ Management of Change	Red	Yellow	Green
○ Stop the Job, Communication and Drops Vigilance	Red	Yellow	Green
○ Safety Securing	Red		
○ Restricted Access Areas	Red	Yellow	

AREA ZONED ACCORDING TO DROPS EXPOSURE

 CONTINUAL

 INTERMITTENT/OCCASIONAL

 MINIMAL / NONE

- **Work at Height and Lifting Requirements**

- **Tools and Equipment Aloft Log Book**
- **Securing Tools and Equipment at Height**
- **Temporary Barricades**
- **PA / Audible Warnings and Standby Persons**

APPLICABLE TO ALL AREAS IN ALL ASSETS AND FACILITIES

Supports existing Work at Height and Lifting Standards



SHARED LEARNINGS

**Prevention and Mitigation
of dropped objects from
working platforms.**

*(Awareness, TRA, PTW,
Competence, Tools @Height,
anyards, Safety Nets,
Restricted Access,
Barricades, Signage...)*

WHAT ABOUT DROPPED OBJECTS IN THE WORKSITE AT HEIGHT?

*(Tools, equipment falling
within the 2m zone...)*



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SHARED LEARNINGS

Waste Management.
*(debris, containment,
segregation, recycling,
handling...)*

CAN YOU SEE THE POTENTIAL?

*(Overloading, manual
handling, loss of
containment!)*

**ENSURE WORKSITE
MANAGEMENT
PROCESSES DO NOT
CREATE DROPPED
OBJECT HAZARDS.**



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SHARED LEARNINGS

Good Housekeeping – Hazard Hunt Promotions.

*(Planned events, fresh eyes,
mixed disciplines and
experience, elimination of
unnecessary items...)*

WHEN DO DROPPED OBJECTS OCCUR?

*(Any time, anywhere, don't
get complacent!)*

EVERY TASK WILL HAVE POTENTIAL DROPPED OBJECT HAZARDS.



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SHARED LEARNINGS

**Competency is one thing.
Knowledge, experience and
skill adds the value.**

*(Understand the hazards,
review the task risk
assessment, take time out to
review them again...)*

**APPOINT 'DROPS' FOCAL
POINTS. ENSURE THEY
HAVE OPPORTUNITIES TO
ASSIST, ADVISE AND
REVIEW TRAs, JSAs,
PTWs, TBTs, OJT...**



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DROPS NORTH AMERICA CHAPTER:

- **Commitment from GoM Operators**
 - INSPIRED BY 2015 FORUM
- **Collaborative Working Group**
 - HOUSTON / NEW ORLEANS
- **Common Standard References**
 - LEVERAGING BEST OF OPCo CORPORATE STRATEGY
- **Shared Resources**
 - ADMIN, MATERIALS, SKILLS – UPDATES TO GUIDANCE



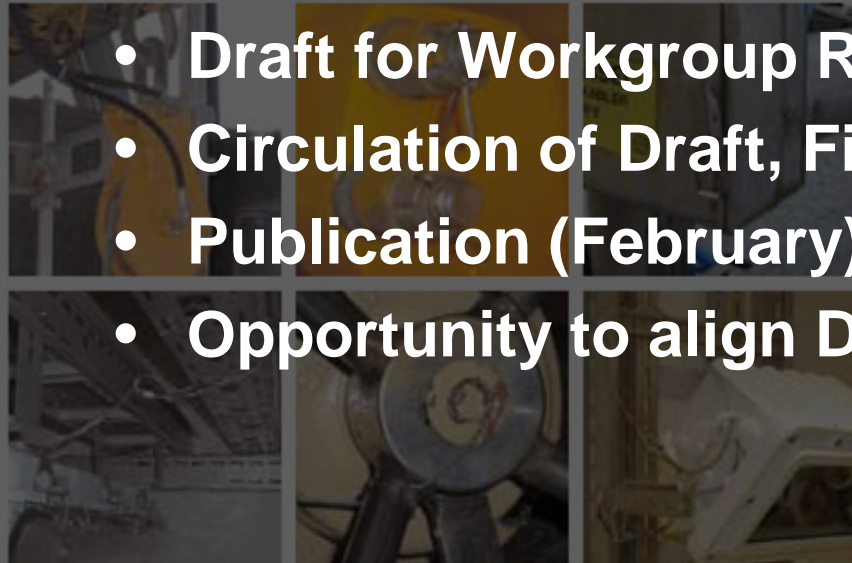
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Reliable Securing

RELIABLE SECURING REVISION 04

- Final Comments Gathered
- Draft for Workgroup Review (October)
- Circulation of Draft, Final Comments (December)
- Publication (February)
- Opportunity to align DROPS Guidance



Connections

g produced to at least 85 different industrial
connections vary for the different
maintenance requirements.

connection will therefore require a qualified evaluation of

with a view to mechanical properties and corrosion resistance

(including the use of the correct torque equipment

reasons why so many bolts and bolted connections fail:

Installation and handling of the bolt	(30%)
Design	(20%)
Material	(12%)
Corrosion	(11%)
Over-tightening	(6%)
Other	(5%)

Source: PSA, 2008

DUAL NUTTING PRACTICE

Industry tests show
or dual nutting
reliable methods of
connections and
for retaining loads



manufacturer's technical data
ing and operational limitations.
ve Bolts (or better) should be

Best Practice recommendations
for the securing of structures and



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DORIS:

DORIS DROPS Contact Us Privacy Statement Terms and Conditions

Date Location Environmental Factors Activity Details Object Consequences Causes

Filter results by Date: 2010 to May-2016 All Actual Potential

Activity breakdown on 1053 Incidents between Jan-2010 and May-2016



- Legacy Platform
 - STABILITY AND COMPATIBILITY
- Current Users
 - ANALYSIS AND PRESENTATION RESOURCE
- Challenges for New Users
 - CONFIDENTIALITY AND RELEVANCE
- System Upgrade
 - IDEAS FOR IMPROVEMENT vs COST





INTERESTING DORIS FACTS:

- **Actual Incidents (Europe 2015) Personnel Exposure**

- **39 RECORDED, 6 Potential LTI, 9 Potential Fatality**

- 2014 (107 Actual of which 30 Potential LTI, 35 Potential Fatality)
- 2013 (102 Actual of which 6 Potential LTI, 28 Potential Fatality)
- 2012 (179 Actual of which 20 Potential LTI, 33 Potential Fatality)
- All (789 Actual of which 83 Potential LTI, 184 Potential Fatality)
- Actual Injuries recorded 22 FA, 2 REC, 6LTI, 0FAT

- **What does this illustrate?**





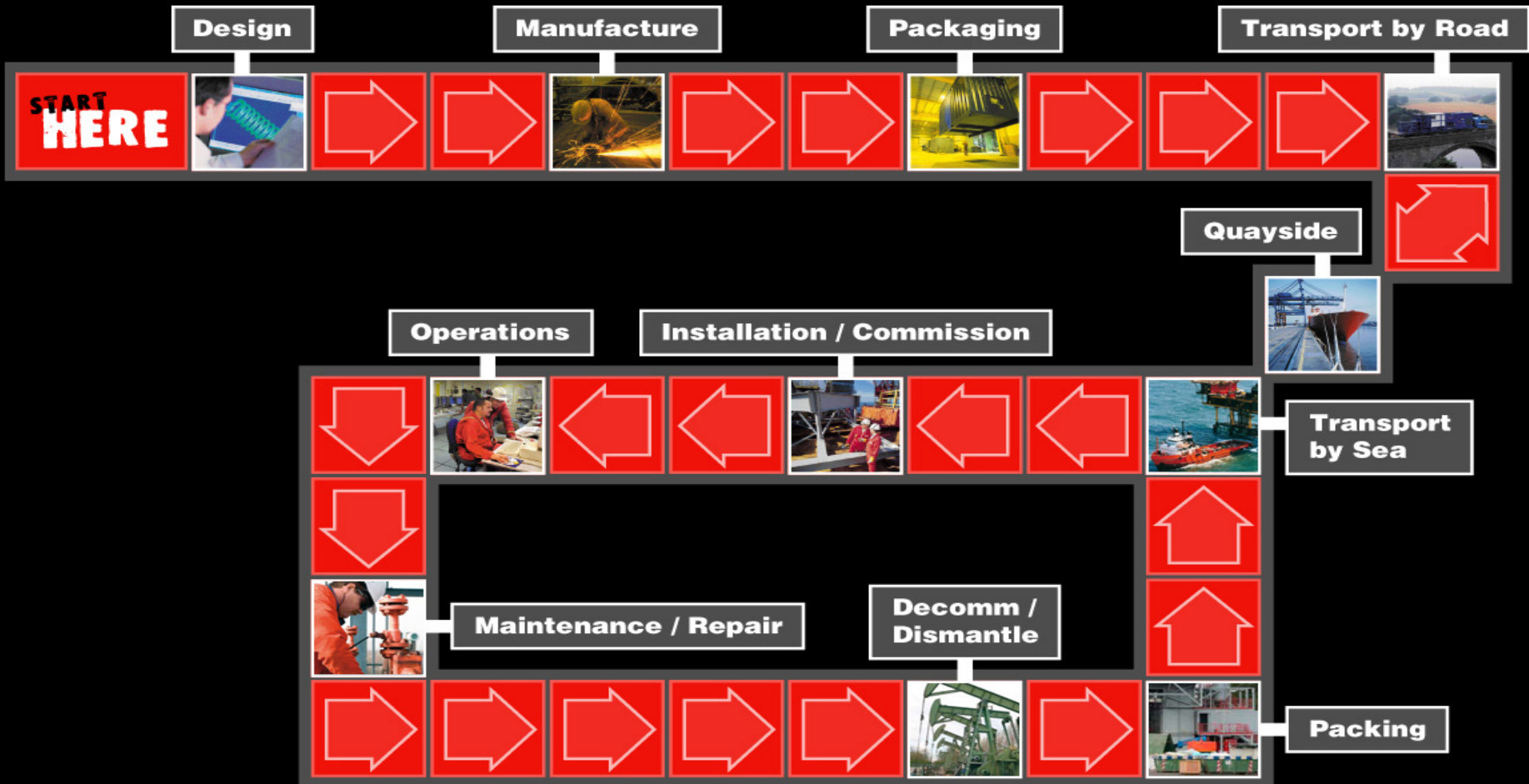
INTERESTING DORIS FACTS:

- **Actual Incidents (792 since 2010)**

- 59% reported less than 2kg
- 48% reported from greater than 5m
- 50% reported Equipment Part
- 21% Unsecured Object, 18% Structural, 11% Manual Tool)
- Around half occur between 08.00 and 16.00
- 25% occur between midnight and 04.00
 - *Since Jan 2015, 57% have occurred during this time period*
- Top Causal Factors remain constant (Securing 33%)
- Activities (30% Drilling, 30% Other, 15% Maintenance)



Where to next?



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**Don't miss Opportunity because it looks like work.
If it doesn't knock, build a door.**