

DROPS PREVENTION FORUM 2015

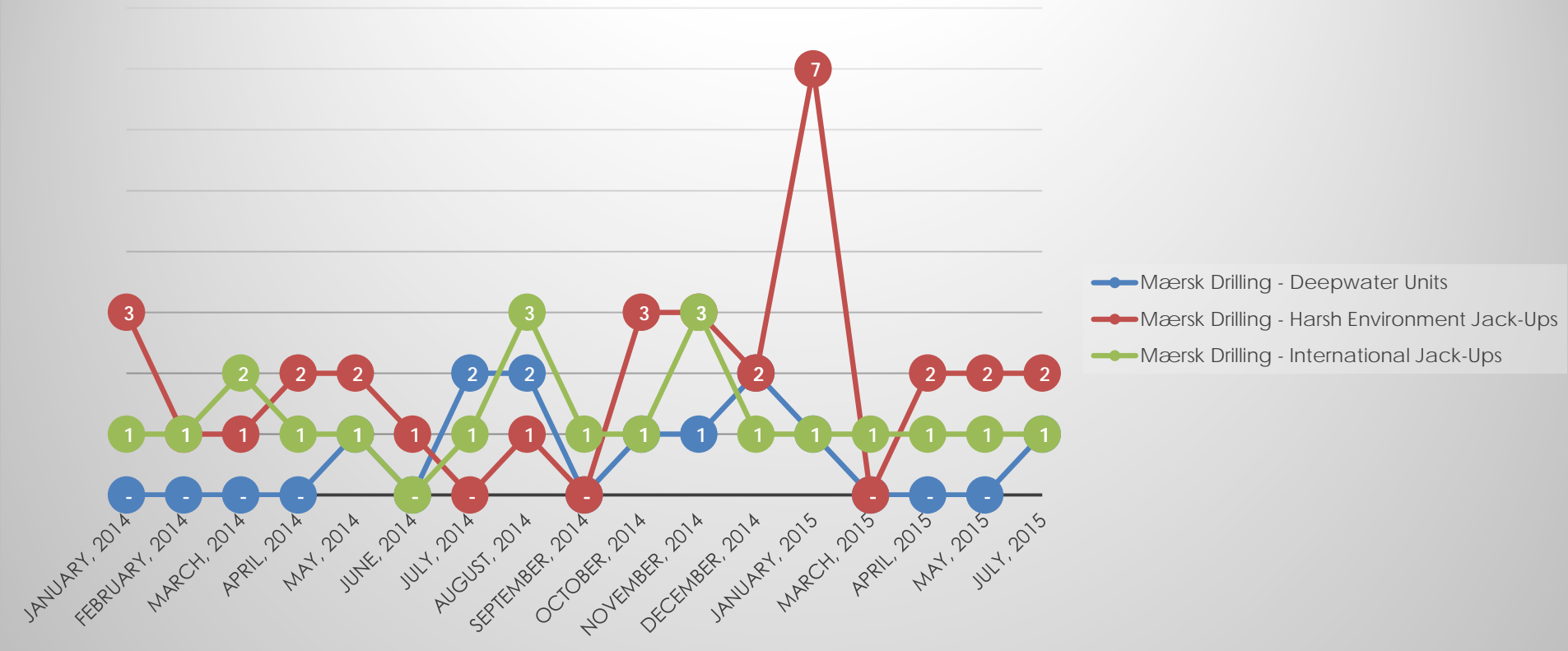
HOUSTON

DROPS RISK AVOIDANCE AND TRAINING FOR OFFSHORE INSTALLATIONS



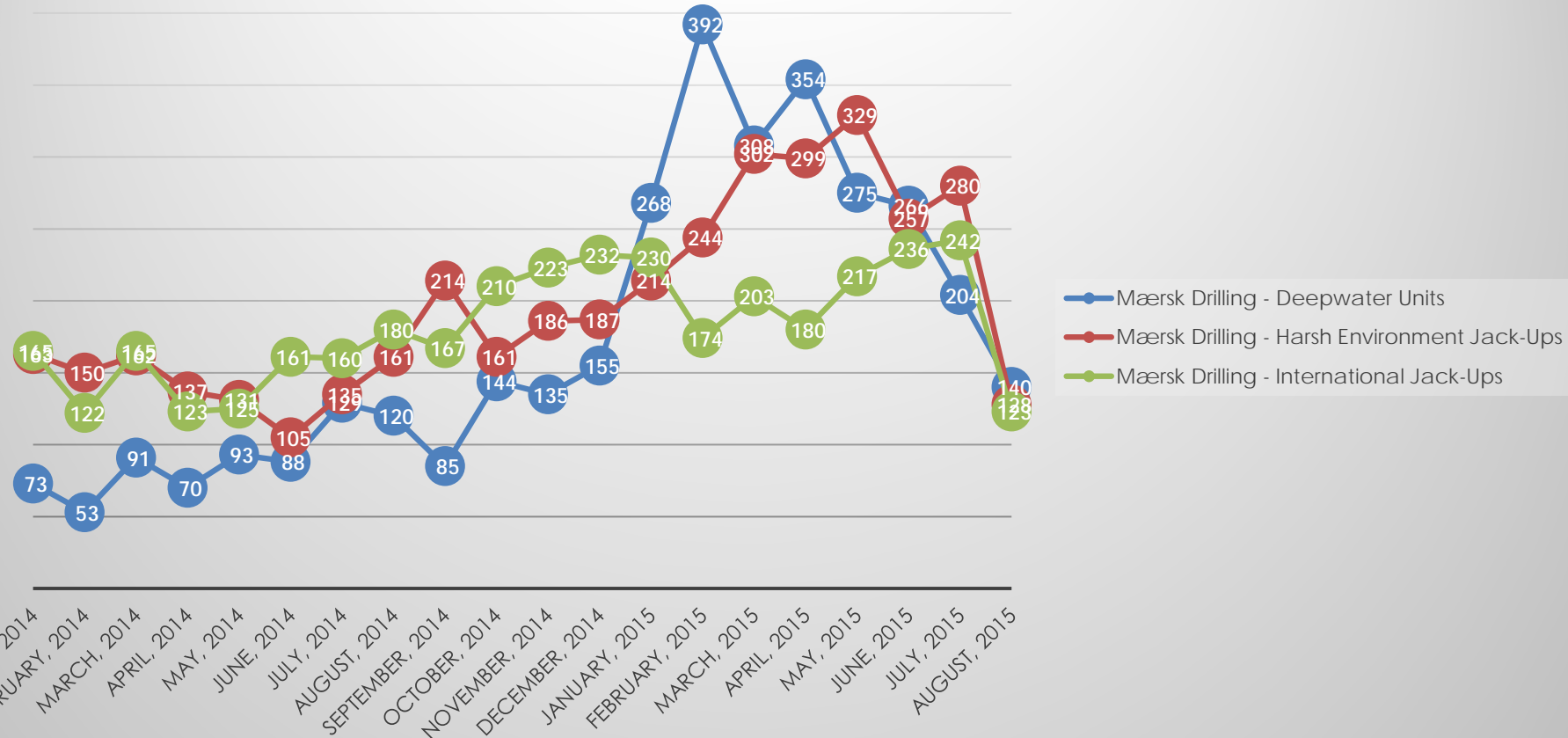
MAERSK
DRILLING

DROPS > 40 JOULES OUTSIDE OF BARRIER



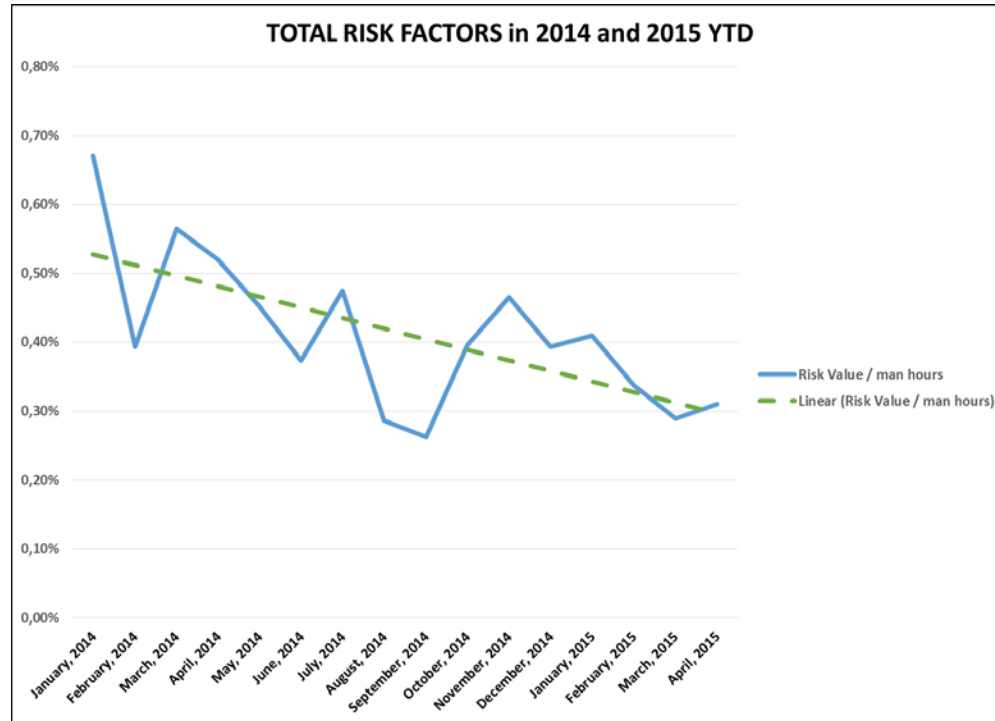
- 64 DROPS SINCE JANUARY 2014
- 20 YTD 2015
- THESE ARE THE DROPS WITH THE HIGHEST POTENTIAL TO HARM PEOPLE

POTENTIAL DROPS



- **11,131** POTENTIAL DROPS SINCE JANUARY 2014
- IT'S GOOD THEY DID NOT BECOME ACTUAL DROPPED OBJECTS, BUT **WHY** ARE THERE SO MANY PDOs ?

POTENTIAL RISK INDEX



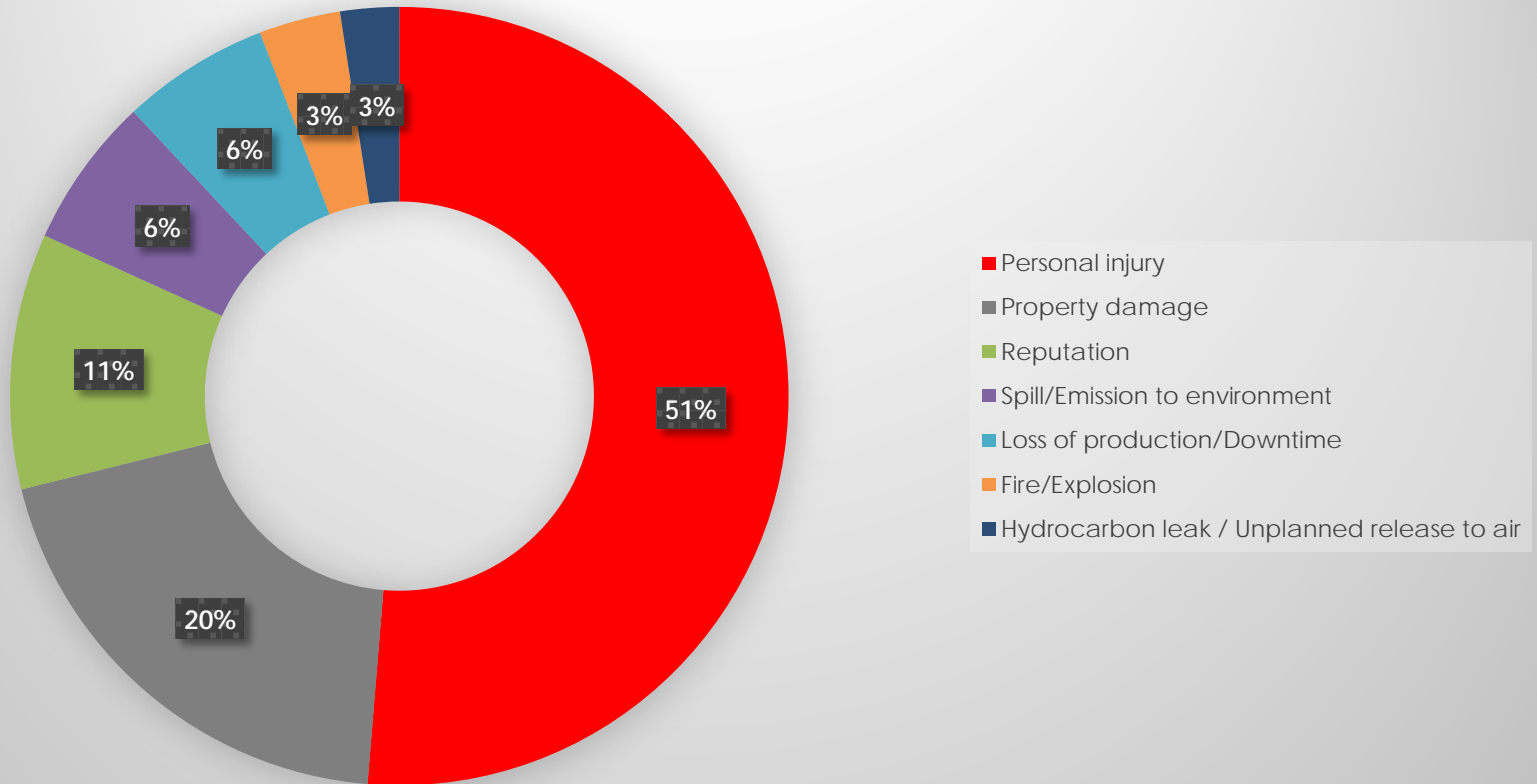
Assumptions:

- Man hours: Actual man hours reported in Synergi
- Locations: Maersk Drilling premises reported in Synergi
- Risk Value: The total **potential** risk registered for all reported cases in Synergi according to the "Risk Matrix"
- Risk value / man hours: The total risk when taking actual man hours into account

Limitations:

- Some "cases" have more than one potential risk. Today we are only able to report on the highest risk and not on the total (system improvement is ongoing)
- Further analysis down to "type" of incidents, the risk factor versus historical TRC's etc. might be difficult due to system limitations. To be investigated

POTENTIAL RISK INDEX COMPOSITION



- OVER HALF OF TOTAL POTENTIAL RISK HAS THE POTENTIAL TO HARM PEOPLE

WHAT ARE WE DOING ABOUT IT ?

- **Standard DROPs Prevention Procedures**
 - Dropped Object Prevention and Hazard Identification training and competency validations
 - Routine PDO Inspections as per Rig Inspection Diagram (cyclical and ongoing)
 - Maintenance procedures that include PDO inspection & prevention guidelines
 - Minimum Bi-Yearly inspections and repairs from professional climbers
 - Weekly Hazard Hunts
 - 1 Stop Shop online repository of global best practices and lessons learned

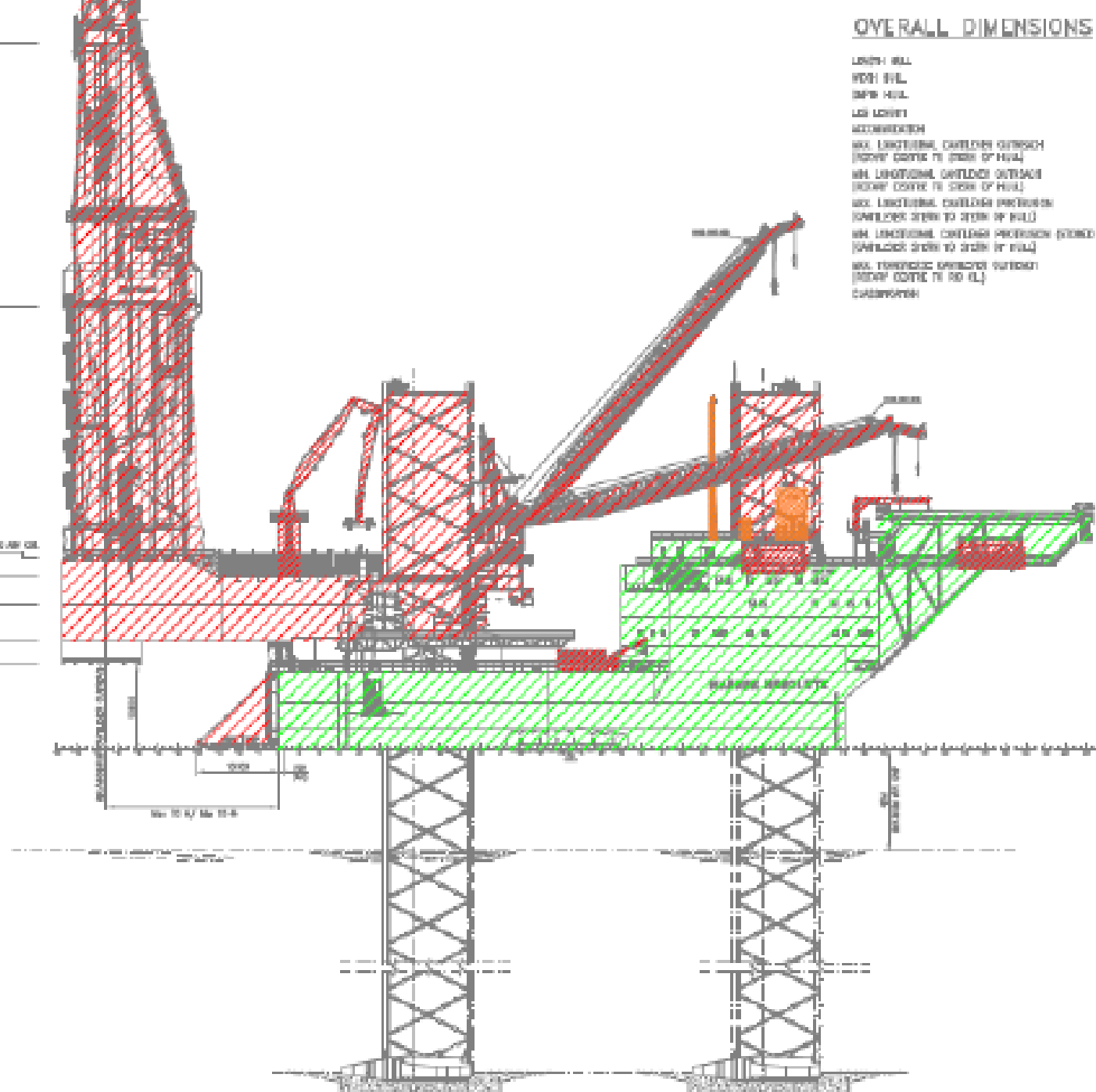
High	L	100% 100% 0. 100% 100%
Medium	L	
Low	L	

It

[illegible]

Medium	Upper
Medium	Pump
Medium	Sack s

Low	Helide
Low	Helic Fi
Low	C deck
Low	Galley
Low	Galley
Low	Weldi
Low	Rope :
Low	Anten
Low	Hydra
Low	Cantil
Low	Cement unit incl. Roof



OVERALL DIMENSIONS

[illegible]

iders/Client

	D	
M		
T		
D		
M		
T		
D		
M		
C [*] /SP		

		S
D		
M		

GETTING EVERYONE INVOLVED

Dropped objects hunt

09/09/2015

By  Ugilt, Camilla

In order to prevent accidents as a result of dropped objects, all Maersk Drilling rigs conducted a global 'dropped objects hunt', where potentials were identified and removed.

A recent data trend shows an alarming increase in the number of dropped objects that had the potential to hurt people - or worse. Recently, all Maersk Drilling units set aside one hour for a dropped objects hunt.

On August 20, 2015, from 0900 to 1000 local time, all Maersk Drilling units were searched by their crews in order to identify potential dropped objects (PDOs). All Maersk Drilling personnel not directly involved with critical drilling activities participated in the hunt.

"We want to send a very clear message to everyone onboard and the industry in general. Dropped object prevention is something that we take very seriously, and it is an area where we need to work together as a team in order to improve our performance. We all have a responsibility to keep each other safe, and prevent potential accidents waiting to happen. If you see a potential dropped object, you own it, and you need to take the necessary actions to eliminate the potential," says Angela Durkin, Chief Operating Officer, Maersk Drilling.

All PDO's found on board the rigs were collected, documented and weighed, so that each drilling unit could advise the total number of PDOs and kilos that were removed during this one hour initiative.

In total across the fleet, 780 potential dropped objects were identified. That amounts to 4.668,14 kg, which were removed by the crews.

"While the outcome of the exercise was a great success, it also shows that we still have far too many potential hazards on board our units and we constantly need to be aware of the potential dangers around us and watch out for each other," Durkin concludes.



GETTING EVERYONE INVOLVED

DROPPED OBJECTS HUNT 20.08.15 MAERSK INTREPID

DROPS
DROPS
DROPS
DROPS
DROPS

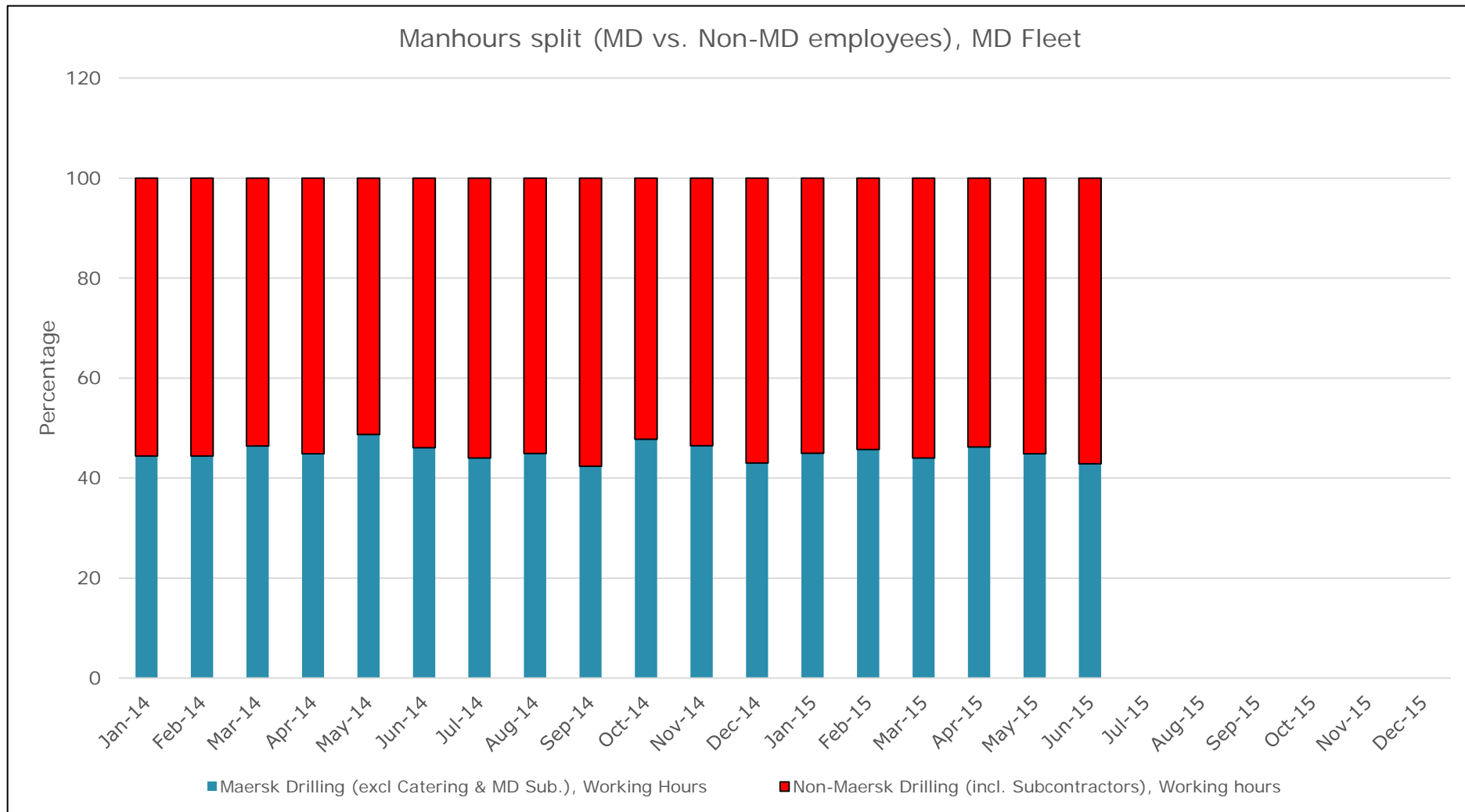


WHAT CAN WE DO ?

- **BE PROACTIVE**

- ALWAYS LOOK FOR POTENTIAL DROPPED OBJECTS AND REMOVE THEM. IF YOU SEE IT – YOU OWN IT.
- ENSURE THAT EVERYONE ON BOARD UNDERSTAND THE IMPORTANCE OF PREVENTING DROPPED OBJECTS AS A TEAM
- ALWAYS REMEMBER THAT A JOB IS NOT FINISHED UNTIL THE WORK AREA HAS BEEN TIDIED-UP AND ALL TOOLS HAVE BEEN RETURNED
- ALWAYS USE THE RIGHT TOOLS FOR THE JOB TO PREVENT DROPPED OBJECTS (LANYARDS, TOOLBAGS W/ COVERS, CHIN STRAPS, ETC.)
- REMEMBER TO CHECK SECONDARY RETENTION DEVICES TOO
- ACTIVELY PARTICIPATE IN HAZARD HUNTS TO WORK AS A TEAM TO FIND AND REMOVE POTENTIAL DROPPED OBJECTS

WHO ARE WE LOOKING OUT FOR?





#IAMTEAMZERO