

HS OFFSHORE SERVICES SDN BHD

WORLD CLASS HSE CONSULTANTS, TRAINERS & COACHES

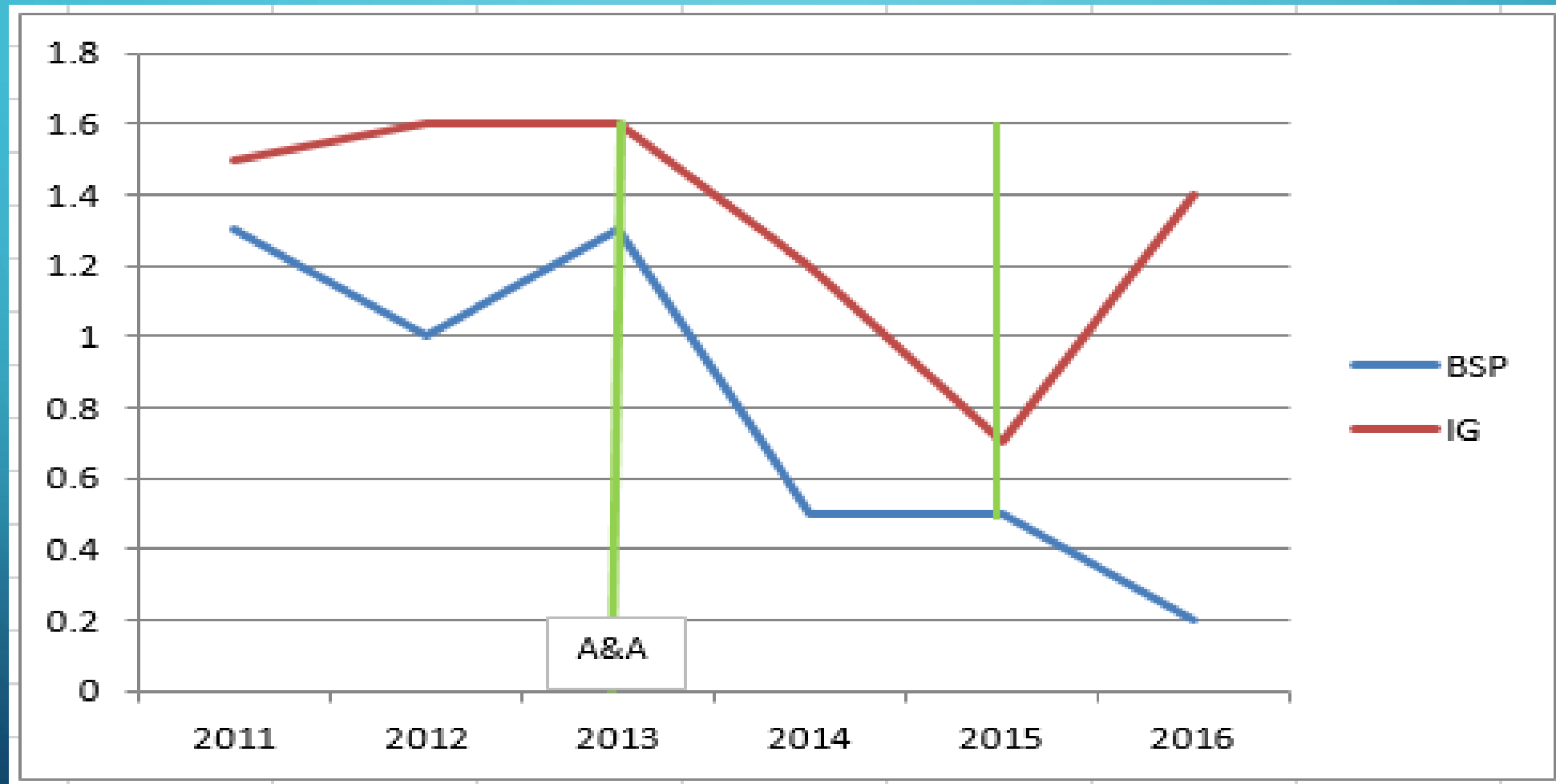
(ASSIST AND ASSURE PROGRAM)

“Bridging the gap to Goal Zero by creating consistency between projects using the Assist & Assure Methodology”

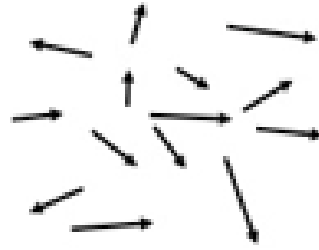
HS OFFSHORE SERVICES SDN BHD

- CERTIFIED HSE TRAINING AND COACHING FACILITY SINCE 2012
- PROVEN TO IMPROVE AND ACHIEVE TRCF OF 0.0 WITH THE ENTIRE PROGRAM
- DRILLING RIGS AROUND THE WORLD HAVE THE SAFEST RECORD INCORPORATING THIS PROGRAM.
- GLOBALLY MENTORED & COACHED OIL AND GAS DRILLING RIG OPERATED COUNTRIES I.E. BRUNEI, MALAYSIA, NEW ZEALAND, AUSTRALIA, CHINA, RUSSIA, QATAR, CANADA, USA & ARGENTINA
- TOP OPERATIONS PERFORMANCE GOES HAND IN HAND WITH TOP SAFETY PERFORMANCE
- WE HAVE MORE THAN 8 CERTIFIED TRAINERS AND COACHES SPECIALISED IN DRILLING, COMPLETIONS, WELL TESTING AND DOWNSTREAM OPERATIONS.

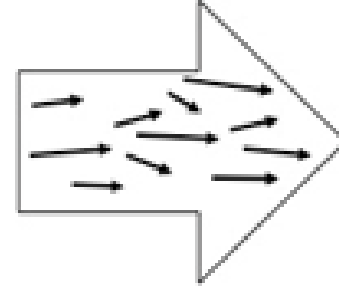
Assist & Assure Results (TRCF)



Move from working like this:



To working like this:



BUT HOW DO WE DO THIS?


A&A Strategy

Transition To Work



RUN YOUR MEETINGS A CERTAIN WAY

ASK Qs, Everyone, **Focus Areas** & LFI

UnCAAP SAFE WORK STRATEGY 		
STARTING WORK IS <u>NOT</u> STEP #1		
1	PLAN	Work Instruction Hazard Assessment
2	COMMUNICATE	Toolbox Talk / Open Questions Personal and Process Safety Management of Change (MoC)
3	CHECK EQUIPMENT	Certified / Rated / Tested Fit for Purpose / Calibrated No Damage / Back-up Ready
4	PREPARE AREA	Flat and Level / Housekeeping Red Zone / Permit / SIMOPS Above / Below / Beside
5	CONTROL ENERGY	Isolate (Lock-out, Tag-out, and Test) Drain Stored Energy (Gauge?) Line of Fire / Escape Route
6	FINAL CHECK	100% Ready to Go Contingencies in Place Walk the Line with P&ID
7	START WORK	Comply / Intervene / Respect / Follow the Life Saving Rules Well Barriers / MOC / PAUSE Hands Free / Red Zones
AFTER ACTION REVIEW		
STARTING WORK IS STEP #7		



WORK SAFELY

Starting Work is **NOT** Step Number 1

Supervise Effectively



SUPERVISE BEFORE, DURING & AFTER

NEW People & Green Hats

Use PICNIC & CHECKBACK

UnCAAP SAFE WORK STRATEGY



STARTING WORK IS NOT STEP #1

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AFTER ACTION REVIEW		

STARTING WORK IS STEP #7

PRE-JOB SAFETY MEETING GUIDE



NOTIFY SUPERVISORS / SAFETY COACHES / SAFETY ADVISORS

<input type="checkbox"/>	SCOPE	What are we doing? Are <u>job steps</u> clearly explained (PLAN → OPEN FTW → BIG UP → WORK → CHECK → BIG DOWN → CLOSE FTW)? What <u>procedures</u> are we following? Is <u>JSA</u> review complete? Are there relevant <u>P&IDs</u> to review?
<input type="checkbox"/>	ASSESS	What are the <u>hazards and controls</u> ? Who are the <u>people</u> involved in the task?
<input type="checkbox"/>	COMMUNICATE	How are we going to communicate (<u>radios, hand signals, other</u>)? What will we <u>stop the job</u> for?
<input type="checkbox"/>	PEOPLE	Who is doing what? Is everyone <u>fit for duty</u> ? Is anyone <u>near to the task</u> ?
<input type="checkbox"/>	EQUIPMENT	Is equipment <u>ready</u> ? Is it <u>tested</u> ? Are <u>backups</u> available?
<input type="checkbox"/>	AREA	Is work being done near <u>Red Zones</u> ? Are there any <u>SIMOPS</u> ? Is <u>housekeeping</u> in good order?
<input type="checkbox"/>	ENERGY	Are <u>isolations</u> in place and have they been verified? Are there any sources of <u>stored energy</u> in the work zone? Are <u>lines of fire</u> identified?
<input type="checkbox"/>	FOCUS AREAS	What <u>barriers</u> are in place? Are there any <u>DRQPS</u> hazards? Can work be done <u>hands free</u> ? Is <u>TPW</u> installed safely? Are there any <u>changes</u> to plan?
<input type="checkbox"/>	SAFETY ALERT	Have relevant <u>alerts</u> been reviewed? Can something similar happen to us? What can we do to prevent it?
<input type="checkbox"/>	AAR	When will we do the AAR (e.g. end of task, end of tour, end of section)?

ASK
QUESTIONS

ASK
EVERYONE

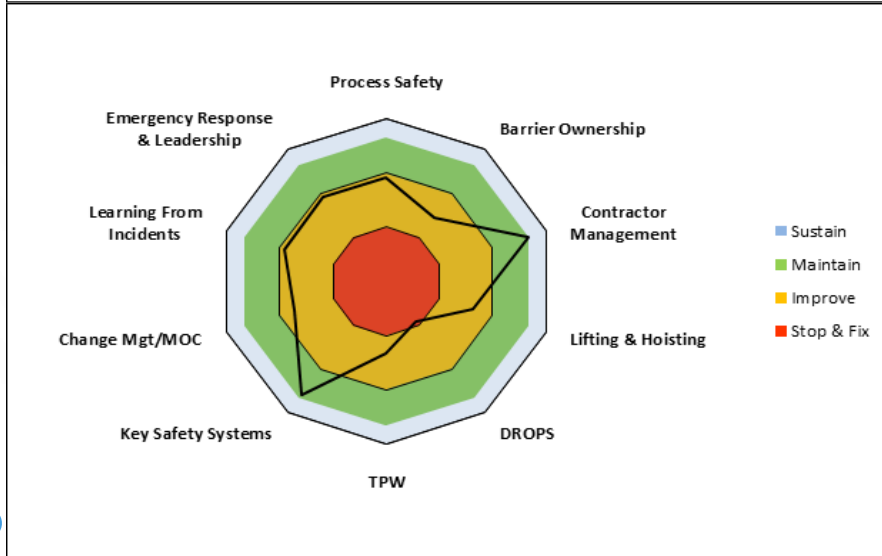
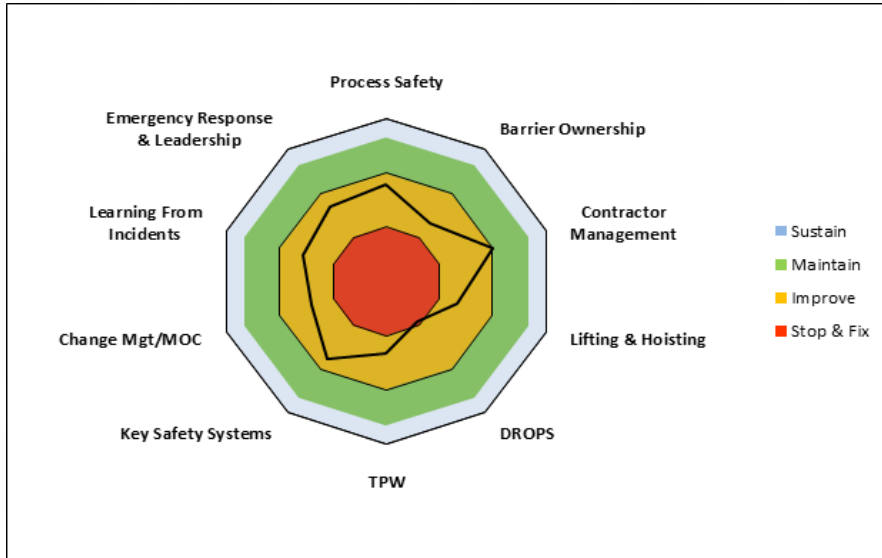
DISCUSS
FOCUS AREAS

DISCUSS
SAFETY
ALERTS

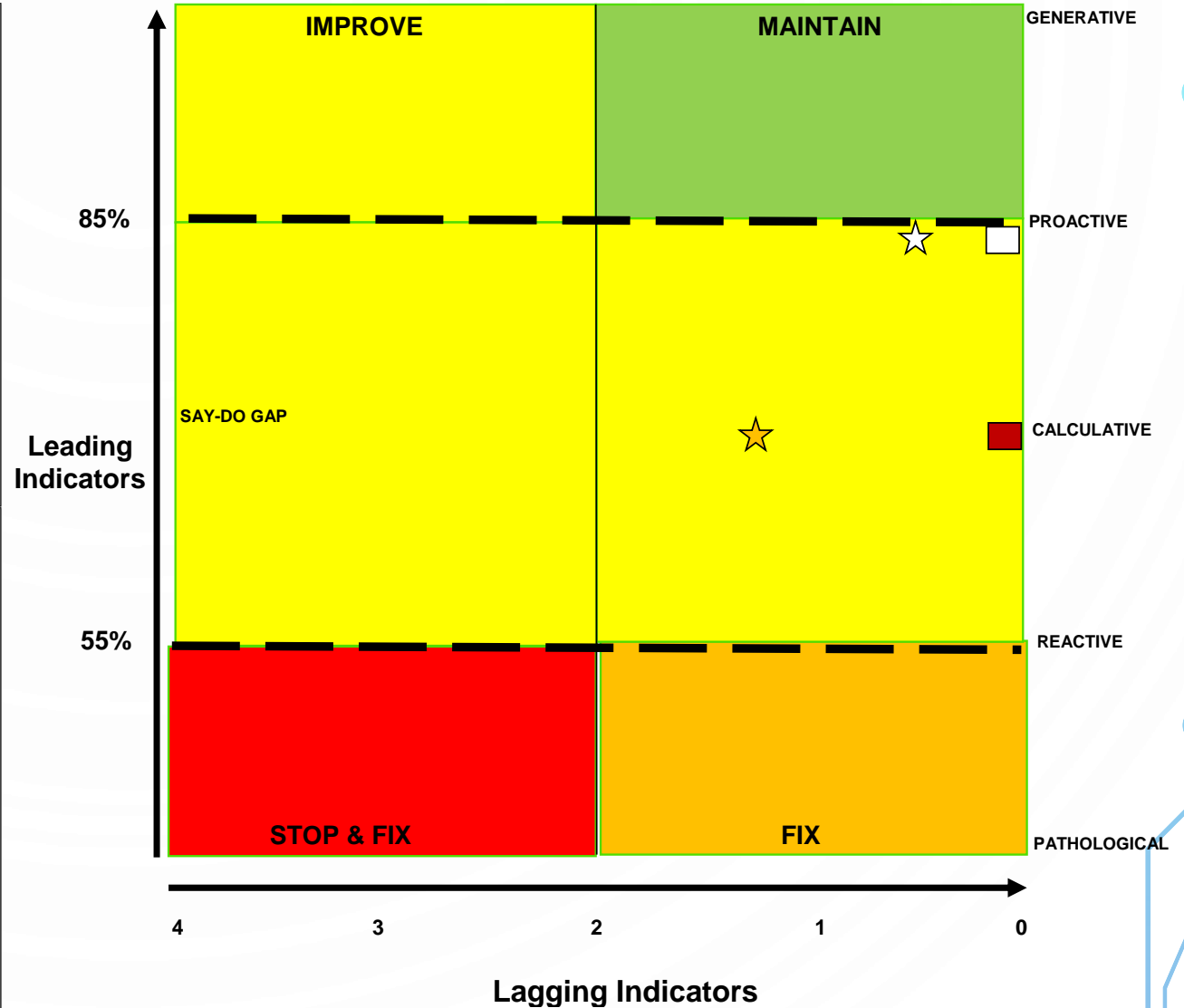
DISCUSS
CHANGES

The Tools

Rose Plot



SAFETY PERFORMANCE MATRIX



Elements and Focus Areas

8 Elements— Two categories Personal Safety and Process Safety

•Personal Safety

- **DROPS**
- **Hands Free Working**
- Lifting & Hoisting
- **Line of Fire**
- Safety Culture
- Contractor Management

•Process Safety

- Process Safety (Well Control)
& **Barrier Ownership**
- Temporary Pipework

Our trainers and coaches were involved in spearheading these projects



Rig in Qatar achieved 2 years of TRCF 0.0 running this HSE Program. Received HSE Excellence Award for best performing rig in terms of HSE and Performance in 2021.



Rig in New Zealand completed its drilling operations without any recordables (TRCF 0.0) in 2014. Received the Akina Safety Award by the New Zealand Government for best in HSE performance in 2015.

