



KAOMBO



Onshore Support Base - 1000 Days Without LTI

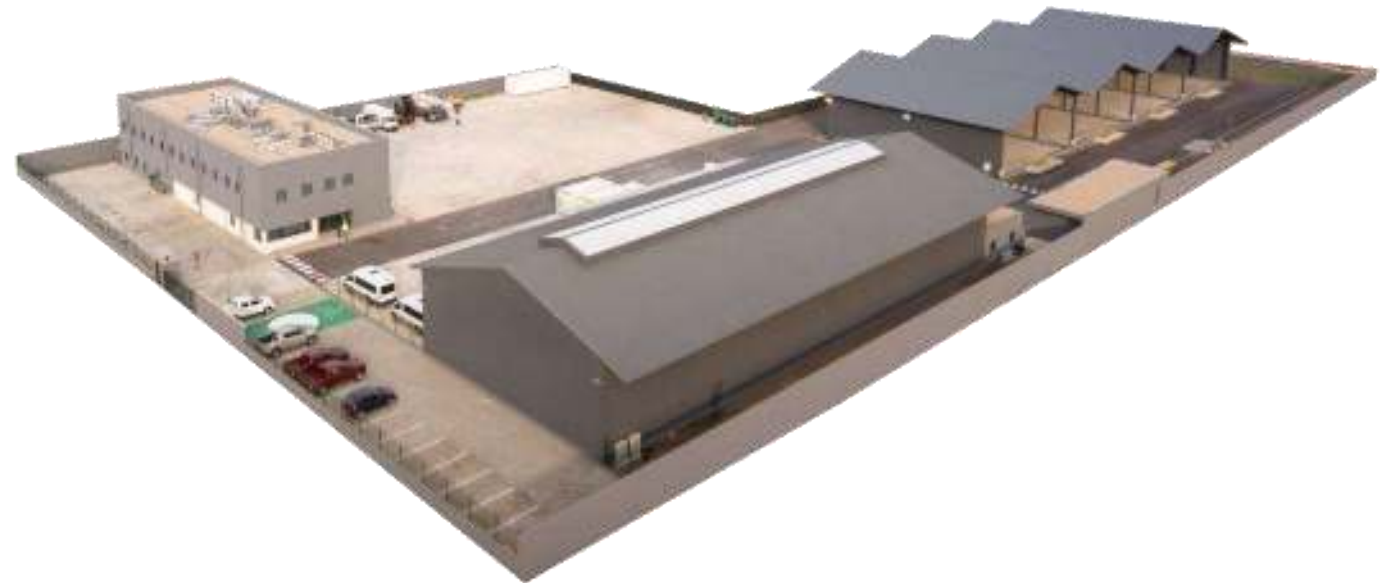
18th of October 2019

Return of Experience



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How we started

- Construction of the OSB



How we started

- Construction of the OSB
 - HSE toolbox talks.



How we started

- Construction of the OSB
 - LSR were introduced to OSB workers from 2016;
 - During construction phase almost 200 workers attended to LSR presentation.



How we started



- HSE Management System
 - Risk Assessments (Operations, Transport, Goods and Personnel, Chemical, etc)
 - Emergency Response Plan
 - Procedures
 - Document control

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TOTAL ESP ANGOLA BLOCK 3P			
	KAOMBO Project		
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ONSHORE LOGISTIC BASE ENVIRONMENTAL IMPACT STUDY
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INTERUI ANGOLA - RISK ASSESSMENT											
ONSHORE SUPPORT BASE - SCAFFOLDING, SIDING & TARPULIN								Rev. 10/01/2018			
Written by:		Peter Skryn									
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GUIDE WORDS	HAZARDS	CONSEQUENCES	STANDARD CONTROL MEASURES	INITIAL RISK			ADDITIONAL CONTROL MEASURES	LEAD BY	RESIDUAL RISK		
				C	L	IR			C	L	RR
SCAFFOLDING											
Use of scaffolding platforms	1.1	Inadequate Planning / Incorrect scaffold building	1. Only qualified and competent persons can erect scaffolding 2. Planning should be done in advance to illustrate the construction, position, securing methods and anchor points 3. The appropriate PPE and fall arrest equipment to be used (double lanyard) 4. Supervision to be on site at all time during assembly 5. FTW system to be in place with RA and JSA for specific tasks as well as procedure 6. Rescue plan in place 7. Trained First Aiders and rescue personnel identified 8. Scaffold inspected and signed by competent person prior to use 9. Only scaffolding approved by contractor can be used	6	3	18	W&H rescue plan, and trained personnel ERP in place	Scaffolding supervisor	6	2	12
Use of scaffolding platforms	1.2	Falling objects or tools	1. Use correct PPE for the task 2. Scaffold system to be secured 3. Authorized personnel only to use scaffolding 4. Warning signs posted around scaffolding area and properly barricaded to reduce risk to other workers 5. All raising and lowering of materials to be carried out in controlled manner. Specific risk to be issued for material used 6. Never allow materials to be dropped from scaffolding (Toe board, anchoring equipment) 7. Traps to remain closed and only opened when entering or exiting	6	3	18	W&H rescue plan, and trained personnel ERP in place Management of Sub-contractors Contractor inspection before use	Scaffolding supervisor HSE Supervisor	6	2	12
Use of scaffolding platforms Erection and dismantling of scaffolding	1.3	Unsafe erection or dismantling	1. Ensure the area for scaffolding erection or dismantling safe prior to operation 2. Ensure the appropriate signage and barricading in place 3. Prepare laydown area for materials in advance 4. Use the correct PPE for the task, including fall arrest equipment (Double lanyard system) 5. FTW conditions adhered to 6. Proper stacking methods and material markings 7. Damaged should be removed and marked with red and placed in quarantine to prevent re-use 8. Only qualified, competent personnel to be involved in activity	6	3	18	W&H rescue plan, and trained personnel ERP in place Management of Sub-contractors Contractor inspection before use	Scaffolding supervisor	6	2	12

Activity	Risk	Rating of Vulnerability					
		1	2	3	4	5	6
Use of scaffolding platforms	High	18	12	12	12	12	12
Use of scaffolding platforms	High	18	12	12	12	12	12
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Use of scaffolding platforms	High	18	12	12	12	12	12
Use of scaffolding platforms	High	18	12	12	12	12	12
Use of scaffolding platforms	High	18	12	12	12	12	12

How we started

- HSE Management System
 - OSB HSE MS plays a pillar role on the outstanding result.
 - The current HSE Management System is the integration of CPY and Consortium safety management systems.
 - Since the beginning all the deliverables have been issued through several reviews with the scope of alignment of TEPA and Consortium HSE requirements.

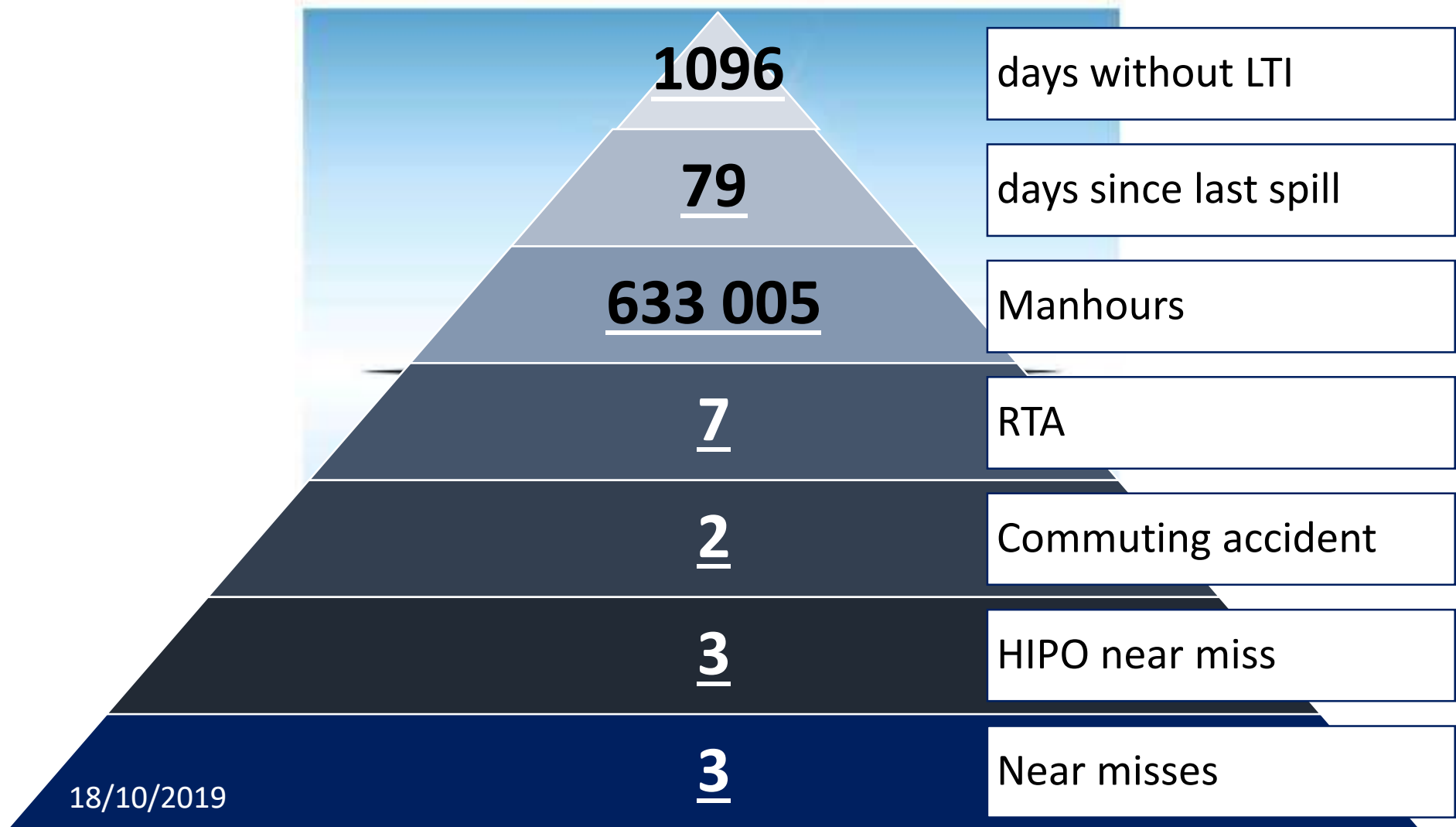


How we started

- HSE Management System
 - Dedicated LiHS workshops performed from 2017 to date.

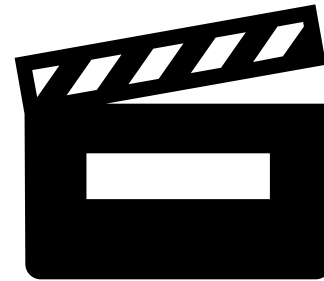


What we achieved



How we achieved 1000 days without LTI

Staff perception



How we achieved 1000 days without LTI

Practices we have on the OSB



- Scheduled regular meetings/activities

	Sat.	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.
07:00	Security parade	Security parade	Security parade	Security parade	Security parade	Security parade	Security parade
07:30	-----	-----	HSE Weekly Safety Meeting	HSE daily pre-job TBT's meeting	HSE daily pre-job TBT's meeting	HSE daily pre-job TBT's meeting	HSE daily pre-job TBT's meeting
Morning	-----	-----	Logistic Meeting	OSB meeting	-----	-----	HSE walkabout
Afternoon	-----	-----	-----	-----	-----	-----	General housekeeping
16:30	-----	-----	PTW Coord. meeting	PTW Coord. meeting	PTW Coord. meeting	PTW Coord. meeting	PTW Coord. meeting

How we achieved 1000 days without LTI

Practices we have on the OSB

- Security parade



How we achieved 1000 days without LTI

Practices we have on the OSB

- HSE Weekly Toolbox talk



How we achieved 1000 days without LTI

Practices we have on the OSB

- HSE daily pre-job meeting



How we achieved 1000 days without LTI

Practices we have on the OSB

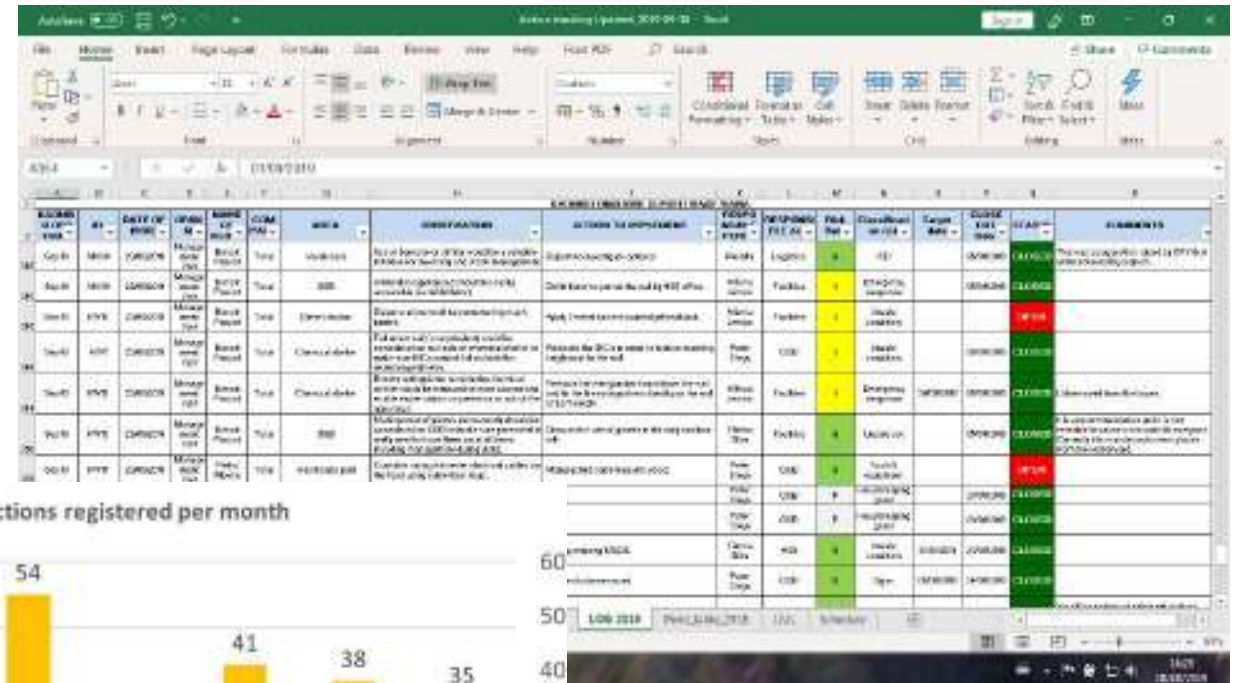
- Toolbox talks prior task
- Inspections



How we achieved 1000 days without LTI

Practices we have on the OSB

- Interdepartmental meetings:
 - Action tracking meeting
 - Logistics meeting
 - OSB meeting



How we achieved 1000 days without LTI

Practices we have on the OSB

- Daily PTW meeting → SIMOPS and CO/OPS



How we achieved 1000 days without LTI

Practices we have on the OSB

- HSE walkabout



How we achieved 1000 days without LTI

Practices we have on the OSB

- Specific dates celebration:
 - World Safety Day
 - World Environmental Day



How we achieved 1000 days without LTI

Practices we have on the OSB

- HSE awards



How we achieved 1000 days without LTI

Practices we have on the OSB

- Drills



How we achieved 1000 days without LTI

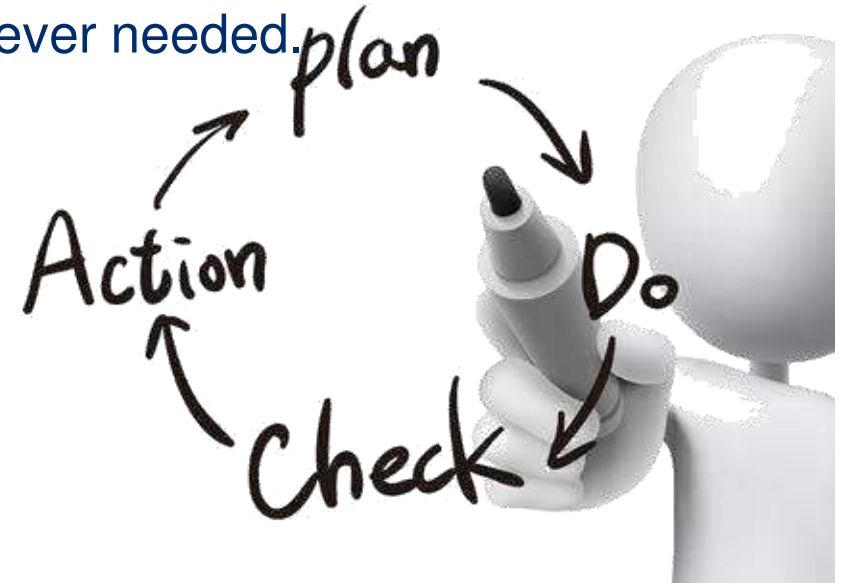
Practices we have on the OSB

- Training



Next steps, exceeding ourselves

- Continue to invest and support our OSB team.
- Continuous focus on awareness training and development of staff through HSE initiatives.
- 100% of the personnel trained in LiHS.
- Focus on change and adapt to changing situations whenever needed.



Next steps, exceeding ourselves

- Learn and share information between our partners, client and third parties experiences, LFI, Safety alerts
- Fighting bad habits through coaching, evaluating empowering our staff - ROUTINE activities as focus
- Setting positive example from management to all workers

