

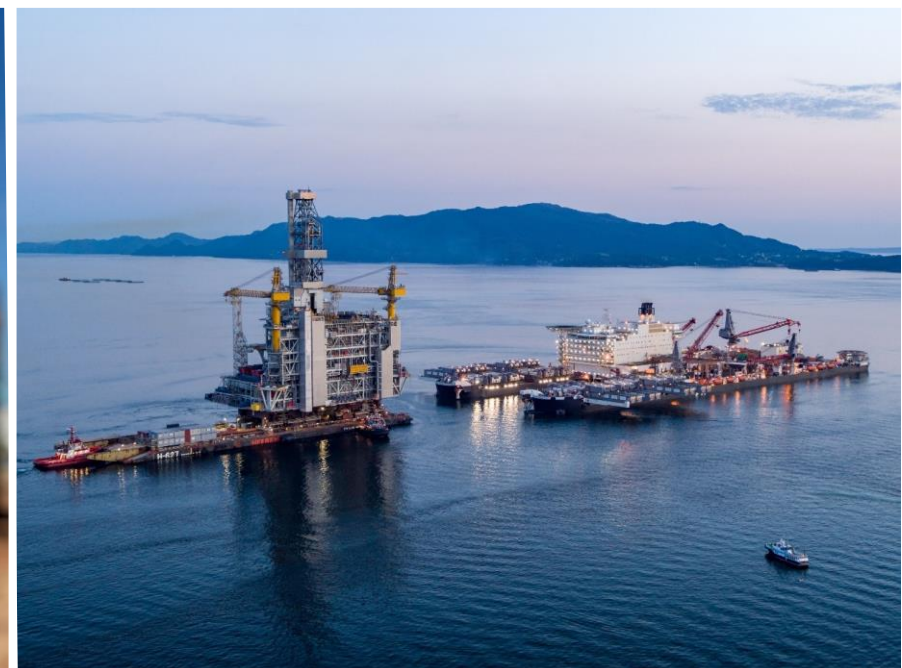
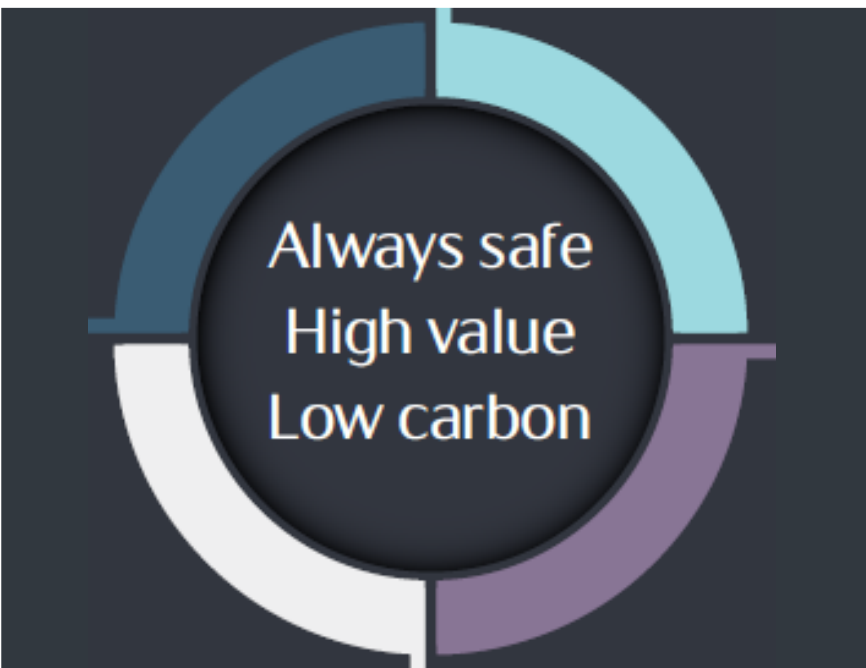


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## Working at height

Vibeke Randgaard Talstad, HSE Manager projects - Equinor





# I am safety | Individual expectations



- I understand and manage my risks
- I look after my colleagues
- I am visible and engaged in my team's safety and security
- I stop unsafe behavior and activities
- I openly report and learn from all incidents
- I systematically use Compliance and Leadership
- I continuously improve safety and security
- I actively search for weak signals and act

# Alle skal trygt hjem!



aibel

HMS – Mitt ansvar

# Alle skal trygt hjem!

Wszyscy muszą bezpiecznie wrócić do domu!



AkerSolutions

"I AM SAFETY"



## Always home safely!

# Alle skal trygt hjem!



KVERNER

"I AM SAFETY"

# Alle skal trygt hjem!

Wszyscy muszą bezpiecznie wrócić do domu!



KVERNER

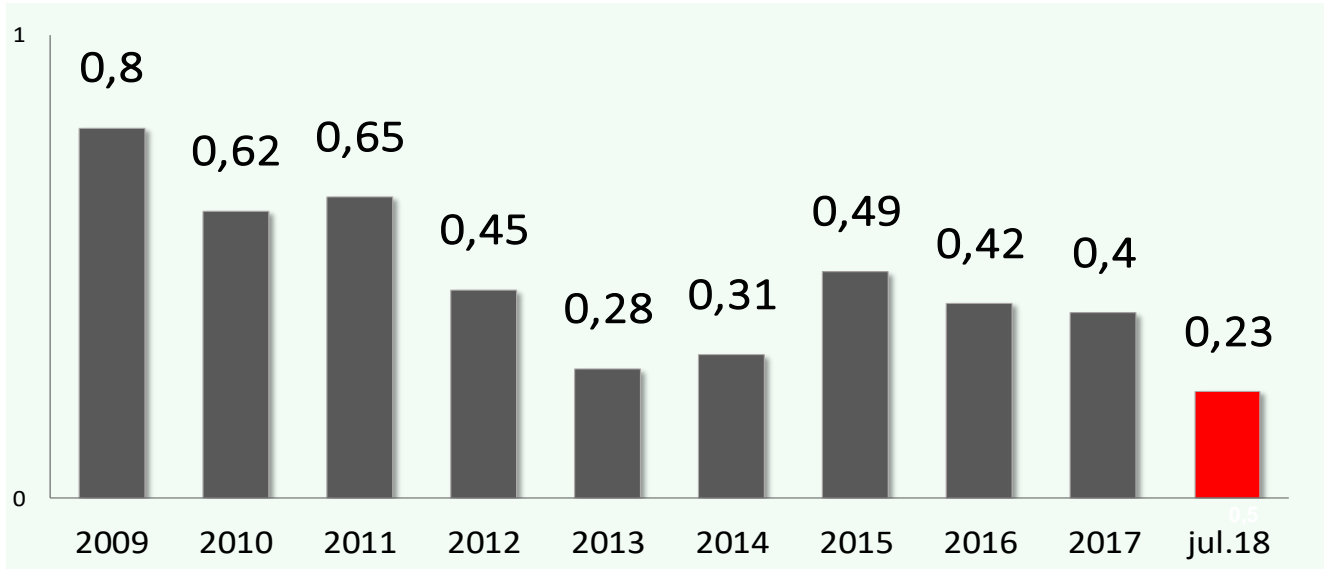
"I AM SAFETY"





# Serious incident frequency (SIF)

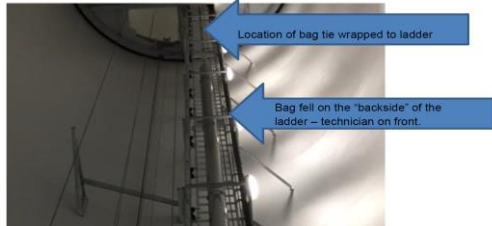
## Project Development



68 persons injured by end of August



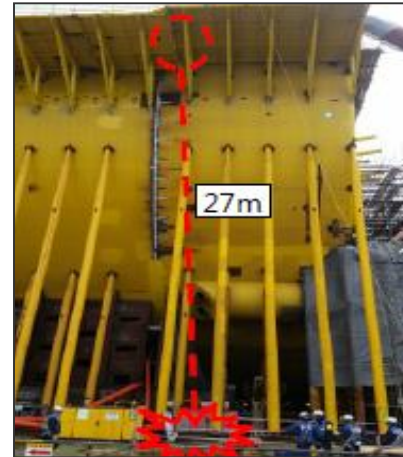
# Safety incidents - working in heights



Potential Serious

Hessian sack (4,5kg) with nuts and cable clamps fell 28m in tower, passing technician

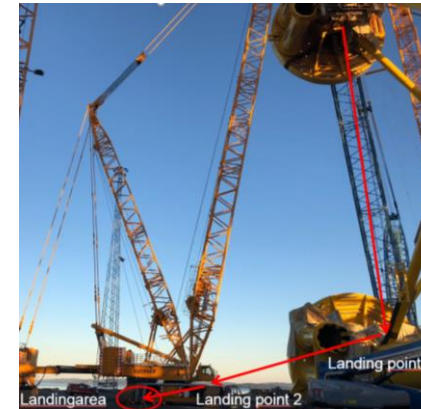
**Best practice breach:**  
**Dropped object prevention**



Actual serious

Worker installed a steel plate (12,8 kg) which fell down 27 m through opening and hit one person in leg.

**Best practice breach:**  
**Dropped object prevention**



Potential Serious

Steel bracket (3,9 kg) used for earthing fell down 50 meters. No people in landing area.

**Best practice breach:**  
**Dropped object prevention**



Potential Serious

Pipe piece (1,6 kg) from scaffold tube fell down 7.5 meters due to unauthorized modification of scaffolding kickboard

**Best practice breach:**  
**Scaffolding**

# Safety Ambassador

## - Enable all site personnel to act as safety ambassadors

- Dedicated safety training program
- Act as role models
- Act and report on unsatisfactory safety behaviour and conditions
- Use “Stop Job Authority”
- Drive engagement – stamina

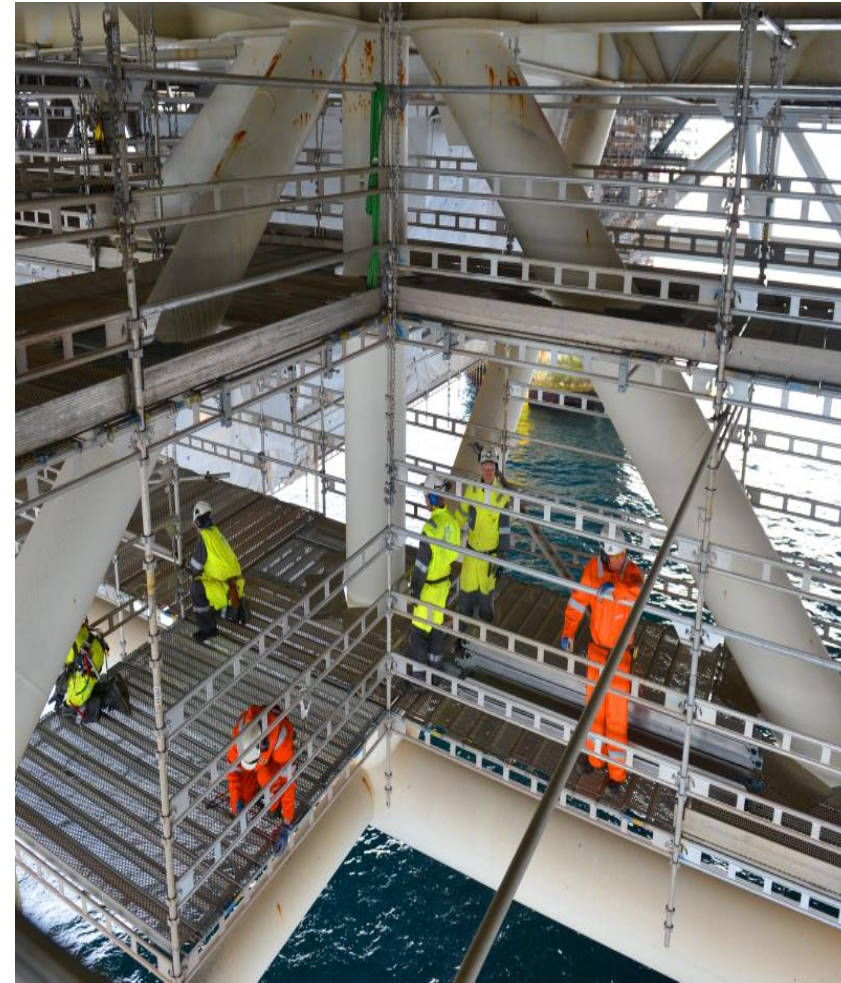
*Never pass an unsatisfactory condition without acting upon it!*



# 7 best practice in project development

Established based on historical incidents – to work proactive

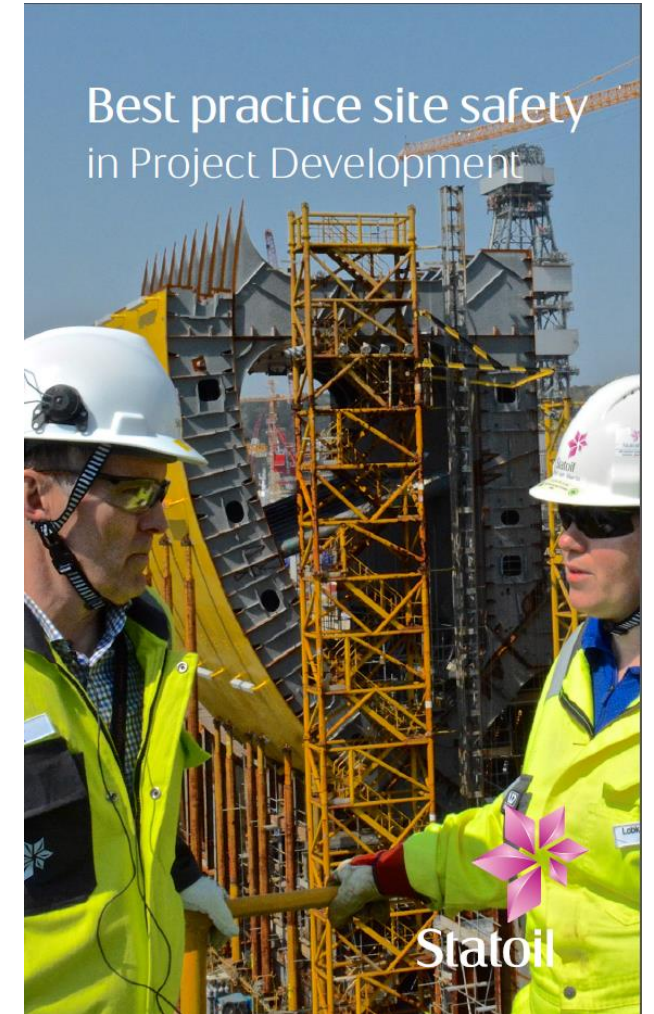
- Job safety preparation
- Housekeeping
- Lifting & rigging
- Dropped object prevention
- Scaffolding
- Confined space
- Work at live systems





## Dropped object prevention

- Dropped object inspection perform regularly
- A minimum of 2 physical barriers are in place
  - Net for railing and openings
  - Secured hand tools
  - Cordon off area with red/white barrier tape
  - Cordon off lifting zone
  - Use watchman
- Coordination of simultaneous activities at different levels.
- Secure openings to prevent falling object
- All tools/equipment secured (on scaffold, during lifting and transport) and removed after completing the job.
- Systematic hazard (potential dropped objects) hunts



# Incidents related to 7 best practice site safety

Incident categories	Red	Other incidents (TRI and FO)
	2018 YTD end August	
Dropped Object	3	17
Rigging & Lifting	3	7
Scaffolding	0	8
Confined Space	0	0
Housekeeping	0	7
Working on live system	0	4
Job safety preparations	0	21
Other than 7 best practices	1	14
<b>Total</b>	<b>7</b>	<b>78</b>







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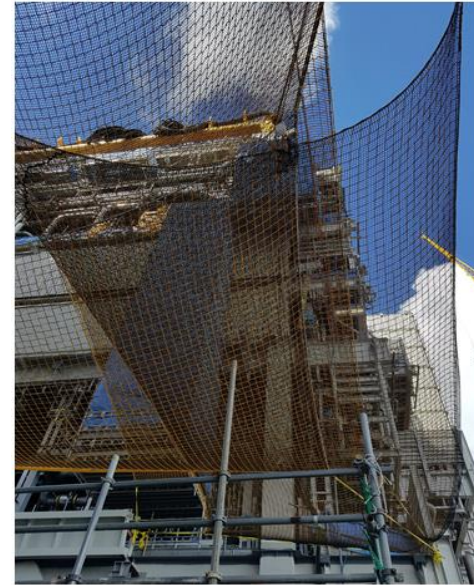
# Project Examples

# Dropped objects – Martin Linge/Rosenberg WorleyParsons

Prior to start of work contractor identified and removed potential dropped objects.

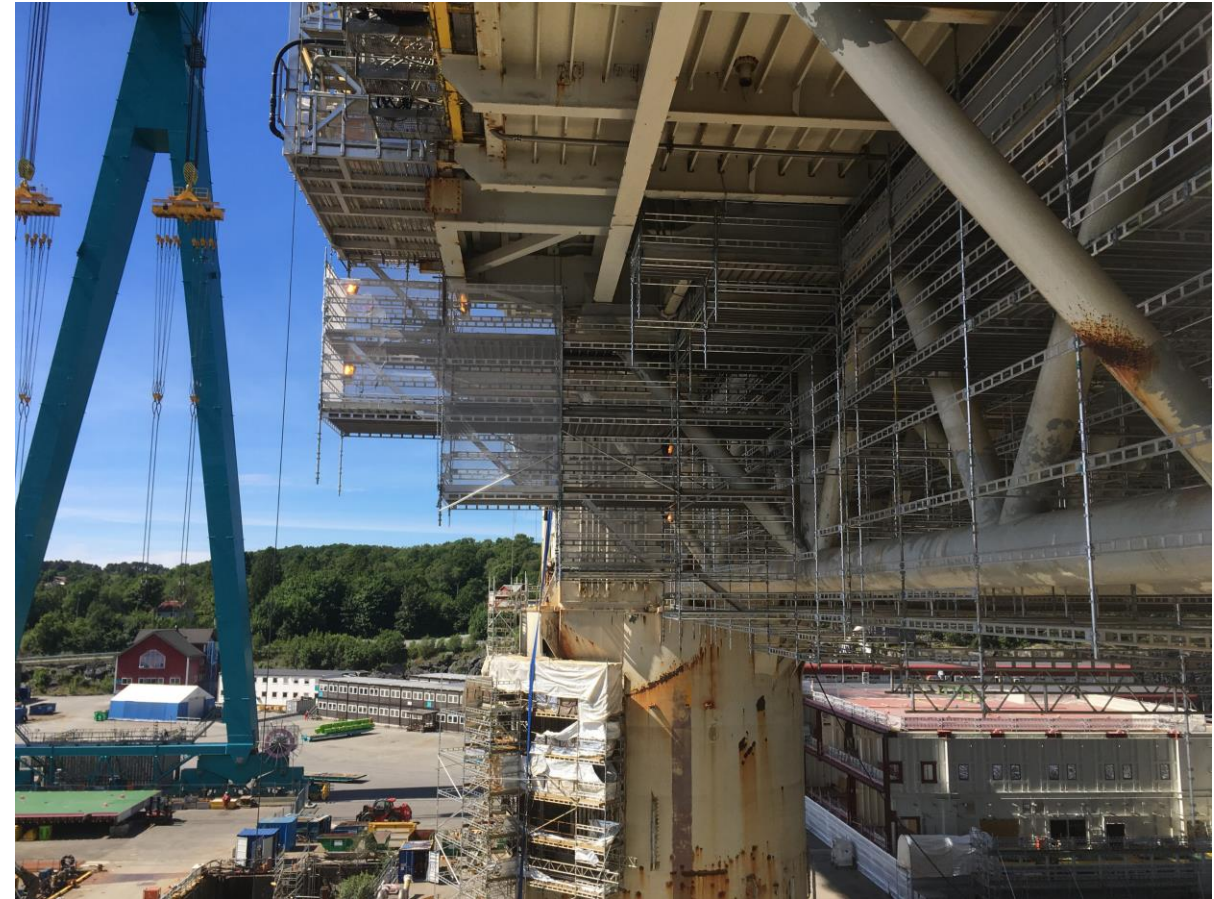
Example of implemented actions:

- Canopy made of scaffolding material over access and walkways
- Safety net over access and walkways
- Net on all scaffolding outside the modules
- Net on all hand rails
- Securing of tools with tool lanyard
- Boxes / bags to store tools in
- No gaps between scaffold boards
- Toe-boards
- Tarpaulin to cover opening around work area in decks





# Hanging scaffolding built around truss structure – Njord/Kværner Stord





# Scaffolding extended to cover underside of plattform – Njord/Kværner Stord





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## Working at height

Vibeke Randgaard Talstad, Manager SSU projects, TPD SSU PRD

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