

SNS DECOMMISSIONING

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ACTEON | ENERGY
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MARINE ENERGY AND INFRASTRUCTURE SERVICES



The background of the slide is a photograph of an industrial facility, possibly a refinery or chemical plant. A large, bright yellow crane hook is the central focus, hanging from a complex network of steel beams and pipes. The scene is dimly lit, with some overhead lights visible. A large, semi-transparent red shape, resembling a stylized 'C' or a large bracket, is overlaid on the left side of the image. Two horizontal orange lines are positioned above and below the main text.

WHO ARE CLAXTON?

WHO ARE CLAXTON?



+30

years of North Sea decommissioning experience

Over

150

Suspended wells abandoned

EUROPE'S LARGEST riser rental fleet

Over

700

Multi-string wells abrasively severed



Claxton performed the **WORLD'S FIRST** rigless platform well abandonment

+300 employees

6 global locations

1 TEAM



26 years experience of **multi-operator** P&A campaigns

The image features a dark, industrial background with a prominent red semi-transparent overlay on the left side. The text 'SNS CHALLENGES' is written in a bold, white, sans-serif font across the center. Two horizontal orange lines are positioned above and below the text. The background shows a complex industrial structure with a large yellow component and a person in the distance.

SNS CHALLENGES

SNS CHALLENGES

Main challenges:

- ▶ Platforms
 - ▶ Aging assets
 - ▶ Small in size
 - ▶ Often suffering from integrity issues

- ▶ Subsea well stock
 - ▶ Numerous operators with small well count
 - ▶ Disproportionate rig costs

- ▶ Increasing utilisation and rig rates



An aerial view of an offshore oil rig deck. A large white crane with a yellow hook is positioned on a yellow and red metal platform. The deck is filled with various pieces of equipment, including pipes, ladders, and storage containers. A blue container with 'SINOPEC' and 'SINOPEC' is visible in the bottom right. The background shows the dark blue ocean under a clear sky. A semi-transparent red overlay covers the left and center portions of the image, with two horizontal orange lines on the left side.

SNS OPPORTUNITIES

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▶ **Why use a rig?.... Reduced risk**

- ▶ Fluid management
- ▶ Section milling
- ▶ Pulling capacity
- ▶ Running/recovering pipe

▶ **Mitigations**

- ▶ Coil, BOP c/w BOP work deck, fluid tanks
- ▶ Perf & wash, chemical cutters
- ▶ JULB crane
- ▶ JULB crane and recovery deck

Using technology to minimise the use of the high cost assets

- ▶ Lightweight, nimble, field proven technology that facilitates lower cost asset usage.
- ▶ Improving the viability of short term decom projects.
- ▶ Well suited to the campaign approach.
- ▶ Risk based contracting models.

▶ **Fit for purpose solution**



PLATFORM WELL ABANDONMENT



CHALLENGE: REDUCTION IN RIG UTILISATION TO LOWER ABANDONMENT COST - PLATFORM

Platform Solution

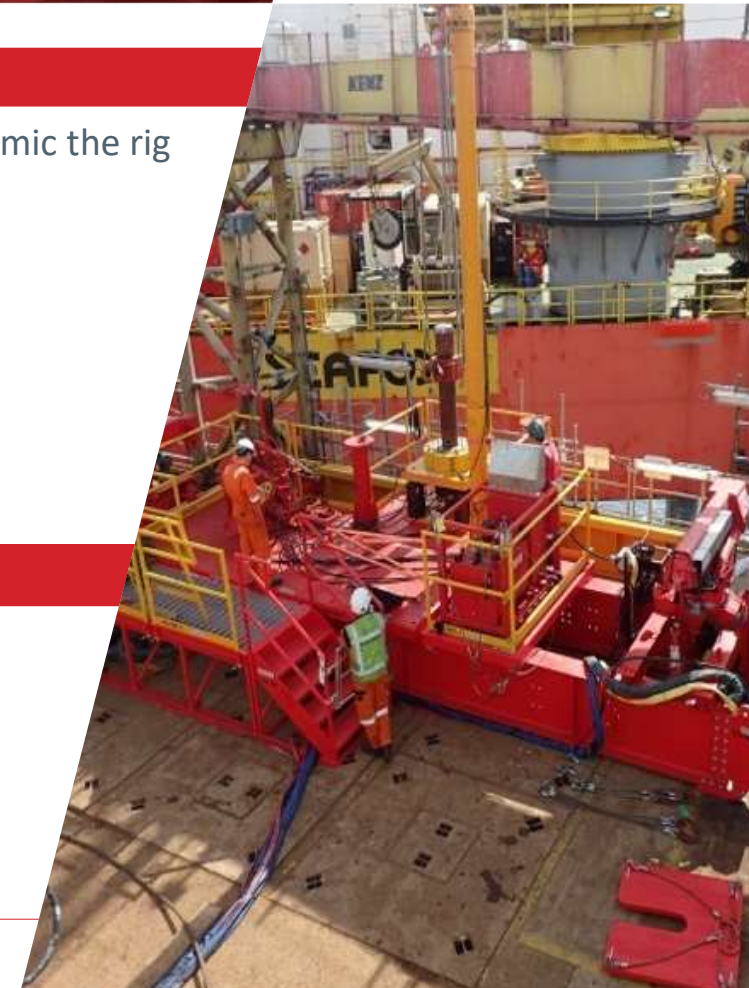
JULB acting as the mothership working in tandem with field proven tech to mimic the rig

Outline Equipment

- Coil Tubing – (3P)
- BOP Work Platform
- Light Weight Recovery Deck (LWRD)
- Platform SWAT
- Tubing and conductor laydown systems
- Abrasive severance

Benefit

- Lower cost asset
- Self propelled – reduction in mobilisation charges
- Campaigning
- Large crane capacity
- POB
- Deck space



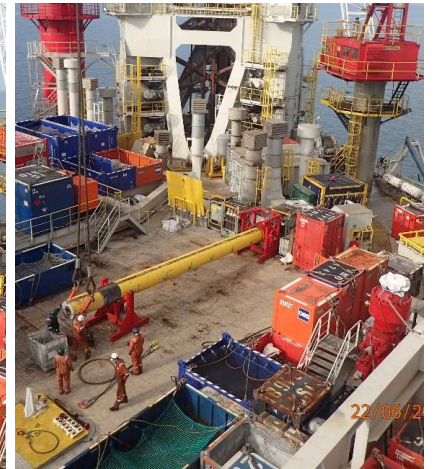
CHALLENGE: REDUCTION IN RIG UTILISATION TO LOWER ABANDONMENT COST - PLATFORM

JULB, BOP work platform, LWRD.



CHALLENGE: REDUCTION IN RIG UTILISATION TO LOWER ABANDONMENT COST - PLATFORM

Abrasive severance and recovery

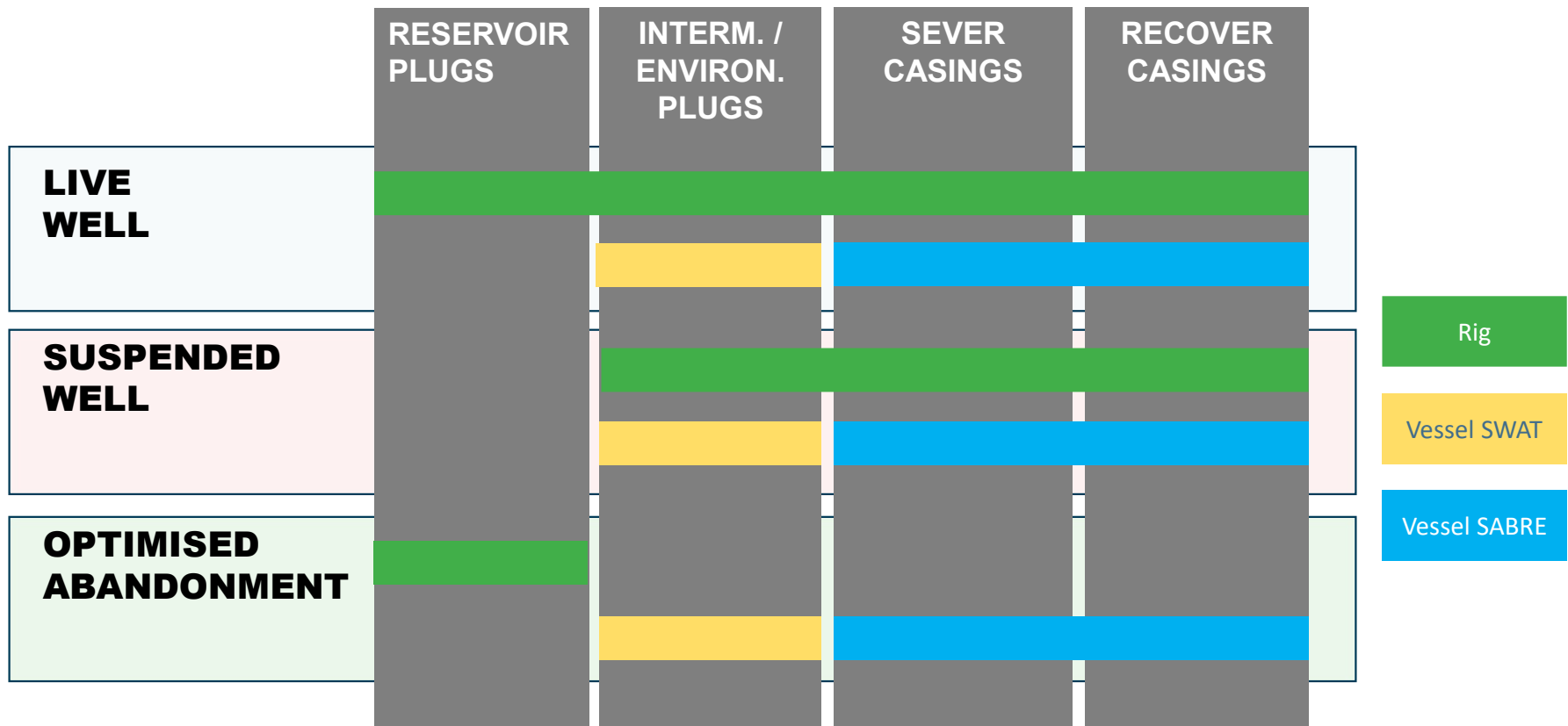


SUBSEA WELL ABANDONMENT

ACTEON



CHALLENGE: REDUCTION IN RIG UTILISATION TO LOWER ABANDONMENT COST - SUBSEA



CHALLENGE: REDUCTION IN RIG UTILISATION TO LOWER ABANDONMENT COST - SUBSEA

Subsea Solution

Vessel based abandonment of suspended wells

Outline Equipment

- SWAT inc ball launch system
- Abrasive severance
- Wellhead recovery tool

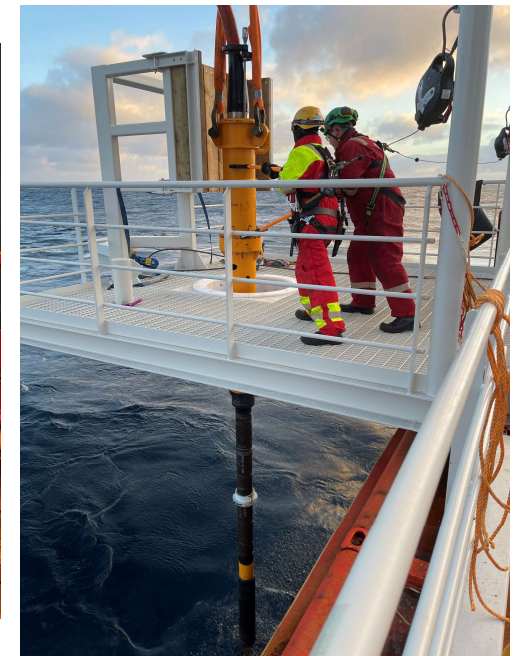
Benefit

- Lower cost asset – fit for purpose.
- Fast transit to, and between well sites.
- Viability for limited well stock through campaigning.



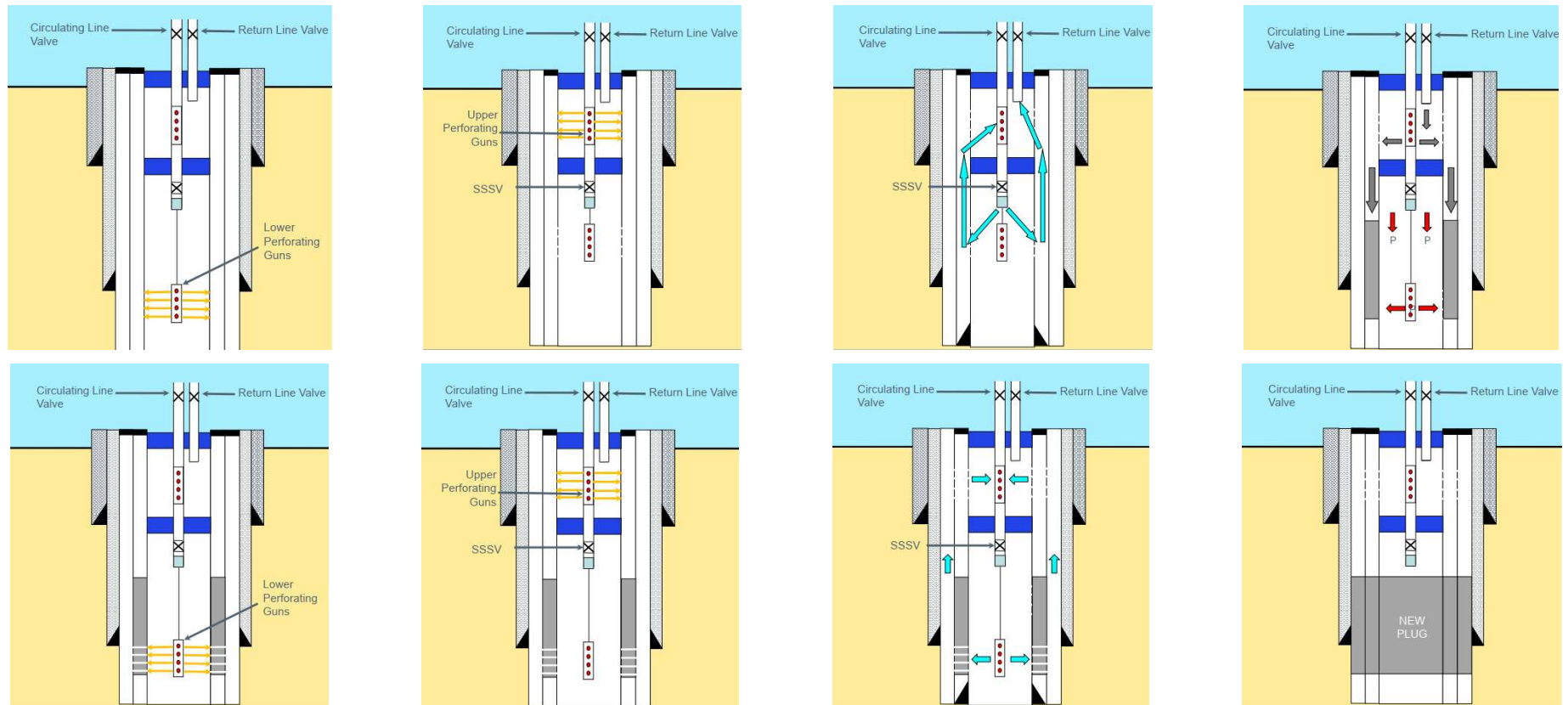
CHALLENGE: REDUCTION IN RIG UTILISATION TO LOWER ABANDONMENT COST - SUBSEA

Claxton SWAT



CHALLENGE: REDUCTION IN RIG UTILISATION TO LOWER ABANDONMENT COST - SUBSEA

Claxton SWAT



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Abrasive severance and recovery



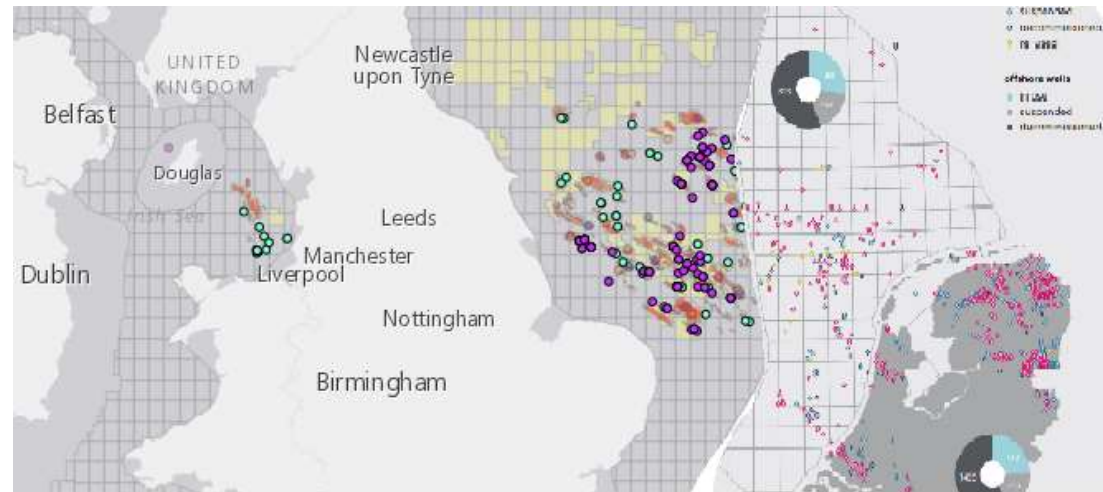


FUTURE FOCUS

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Using technology to drive a 'fit for purpose' solution.

- ▶ Re-evaluate well stock
- ▶ Early engagement with supply chain
- ▶ Supply chain led
- ▶ Consider campaign approach, increasing viability of smaller projects
- ▶ Re-evaluate how contracts come to market
- ▶ Continue to share lessons learnt



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THANK YOU

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