Subsea Decommissioning Collaboration

Game Changing Initiative
SUT, MASTS and the D'Arcy Thomson Forum – 10th November 2022
Game Changing

4 Operators in UKCS collaboration

£1bn Estimated spend over 15 years

>750 pipelines 25 years’ visibility of work

> 250 structures

Focus

Engagement
Radical ideas
Partnership
Steering Group

Roy Aspden - CNRi
Special Advisor

John Allan - EnQuest
Decommissioning Director

David Wilson - TAQA
Decommissioning & Projects Director

Vincent Houdbert - TotalEnergies
Strategy & Performance Manager

Pauline Innes - NSTA
Head of Decommissioning
Working Group

Ranbir Chung - CNRi
Subsea Decommissioning Engineer

Will Black - EnQuest
Heather Decommissioning Project Manager

Stephen Sapp - TAQA
Subsea & Wells Decommissioning Manager

Malcolm Watt - TotalEnergies
Senior Development Lead

Peter Cacela - NSTA
Decommissioning Engineer

Kirsty Lal - CNRi
Subsea Decommissioning Engineer

John Davey - EnQuest
Subsea Decommissioning Project Manager

Robin Ritchie - TAQA
Subsea Decommissioning Engineer

Steph Kiltie
SDC Focal Point
Background

2017 – East of Shetland (EoS) Area Plan Launched
East of Shetland Assets
Improve Efficiencies & Future Planning
Pool Assets, Resources and Experience

2018 - East of Shetland (EoS) Workgroups

2019/20 – Decommissioning Workgroup
Studied across all decom WBS categories
Subsea Infrastructure concluded as presenting the best collaboration opportunity

All SDC UKCS subsea facilities

2021 – Subsea Decommissioning Collaboration
Opportunity

- SDC £1bn over 15 years
- All UKCS operators £4bn over 30 years

**SDC 25% of total**

- Scale
- Market transparency
- Industry partnership

Data source: 2021 NSTA Stewardship Survey
SDC goal

Transforming Subsea Decommissioning

- Support radical technical and commercial efficiencies
- Provide opportunity to trial new technologies and solutions
- Provide a clear hopper of work for the next 25 years
- ‘World first’ ambition to cut costs by 50%
- Enable industry-leading solutions that can be transferred worldwide
Scope

- Subsea pipelines, flexibles, spools, umbilicals & cables
- Subsea structures (may include trees but not Well P&A)
- Mattresses, grout bags, supports & protection
- Debris
- Seabed remediation
- Re-use, Dismantling & Disposal

* Note that flushing, cleaning & disconnection from wells and platforms is not part of this scope.
Scope profile

SDC scope profile: structures, pipelines, umbilicals, mattresses

COLUMN DATA (No. items)

LINE DATA (No. Mattresses or Te structures)

- Structures (#)
- Pipelines (#)
- Umbilicals (#)
- Mattresses (#)
- Structures (tonnes)
Map and dataset

- Public map and dataset of SDC subsea infrastructure
- Now **LIVE** on NSTA website

Weblink:

[UKCS SDC Infrastructure](#)
What we asked for?

IDEAS

• New / Improved Technology
• Net Zero – Campaigning & Efficiencies
• Collaboration / Contracting Ideas
• Other innovation

➢ Which category or categories are you responding to?
➢ At what level of maturity is your solution / idea?
Engagement Plan

LAUNCH
- Events
- Data
- Communications
- Engagement questionnaire

END JULY 2022

IDEAS
- New / Improved Technology
- Net Zero – Campaigning & Efficiencies
- Collaboration / Contracting ideas
- Other innovation

END AUG 2022

REVIEW
- Categorise
- Prioritise

SEPT-NOV 2022
- Discuss
- Refine

ONE-2-ONES

DEC 2022 ONWARDS

DEVELOPMENT PLAN
- Frame the opportunity
- Build roadmap to success
Success

Radical advances in subsea decom efficiency & cost

Net Zero contribution through process optimisation & emissions reduction

Viable and reliable business for supply chain for decades to come

New relationships & mutual success
Inspire Industry

11th May 2022
• Webinar via DNS

18th/19th May 2022
• Stand at DNS Decom Week Exhibition
• On-line presentation on 19th May

30th June 2022
• In-person and virtual presentation, Q&A forum and Supply Chain meetings at GUH.

6th July 2022
• Webinar via OEUK

SDC Stand at DNS Decom Week

SDC Presentation and panel session at GUH
Market Response

Companies

- Waste Stream: 20
- Tooling: 18
- Vessels: 15
- Others: 24

Ideas Submitted: 90
Suppliers Involved: 85
NDAs: 30
Review the Ideas

One-2-One Meetings

Completed 60
Planned 10
Screening

- No further engagement
- Take forward

Further Engagements
- Vessel Contractors
- New Technology
- Waste Contractors
- PM/Consultancies/Industry Bodies

Keep Informed
- Current Proven Technology
- Tooling/Equipment
Game Changing Ideas

No single magic bullet, but numerous ideas and initiatives. Clear desire to collaborate & make improvements.

The Aggregation Of Marginal Gains

- Mobs/Demobs
- More effective use of tooling
- Different ways of working
- Alternative contract models
- Improving Net Zero journey
Development Plan

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**OCT-NOV 2022**

**ONE-2-ONES**
- Discuss
- Refine
- Complete

**NOV 2022 ONWARDS**

**COLLABORATION MODEL**
- Develop Models
- Refine

**NOV 2022 ONWARDS**

**BUSINESS CASE**
- Cost Model Tool
- Develop
- Test

**DEC 2022 ONWARDS**

**DEVELOPMENT PLAN**
- Frame the opportunity
- Build roadmap to success
The door is never closed

Contact and Responses form
https://forms.office.com/r/n8pTsxta6

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