



# Subsea UK 2012

Back to the Future in  
Offshore Renewable Energy?

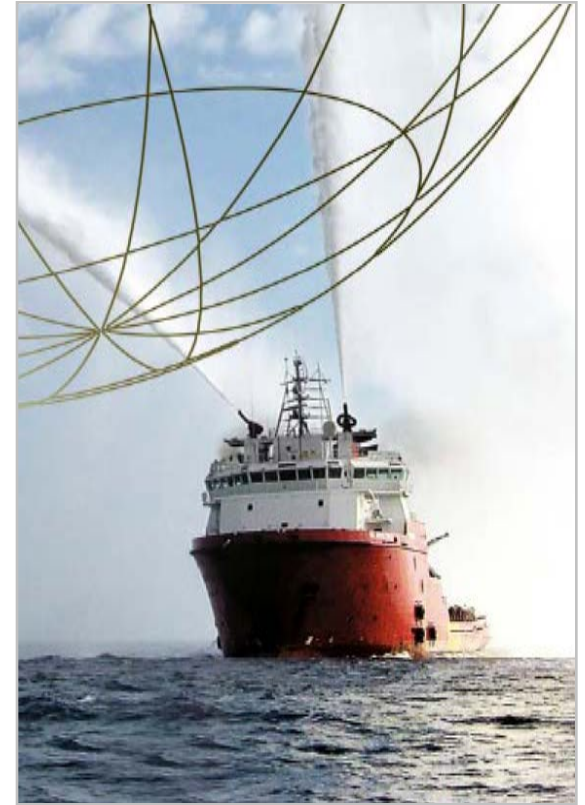
## Contents

- DOF Subsea
- Setting the Scene
- Offshore Renewables
- Subsea industry
- Scenarios
- Rewards
- Conclusions



# DOF Group | Company Overview

- Norwegian vessel owner and operator
- Founded in 1981, 70+ vessels
- Large presence in Aberdeen, “Skandi” vessels
- Major clients include StatoilHydro, Shell, Dong and Petrobras
- Publicly listed on Oslo Stock Exchange with a market capitalisation of approx USD 500 million
- Offices in five continents with focus on Europe, Brazil, Africa and Asia. Global workforce of over 2,200 personnel
- DOF Subsea is a subsidiary of DOF Group



# DOF Subsea | Setting the Scene

- **Positives**

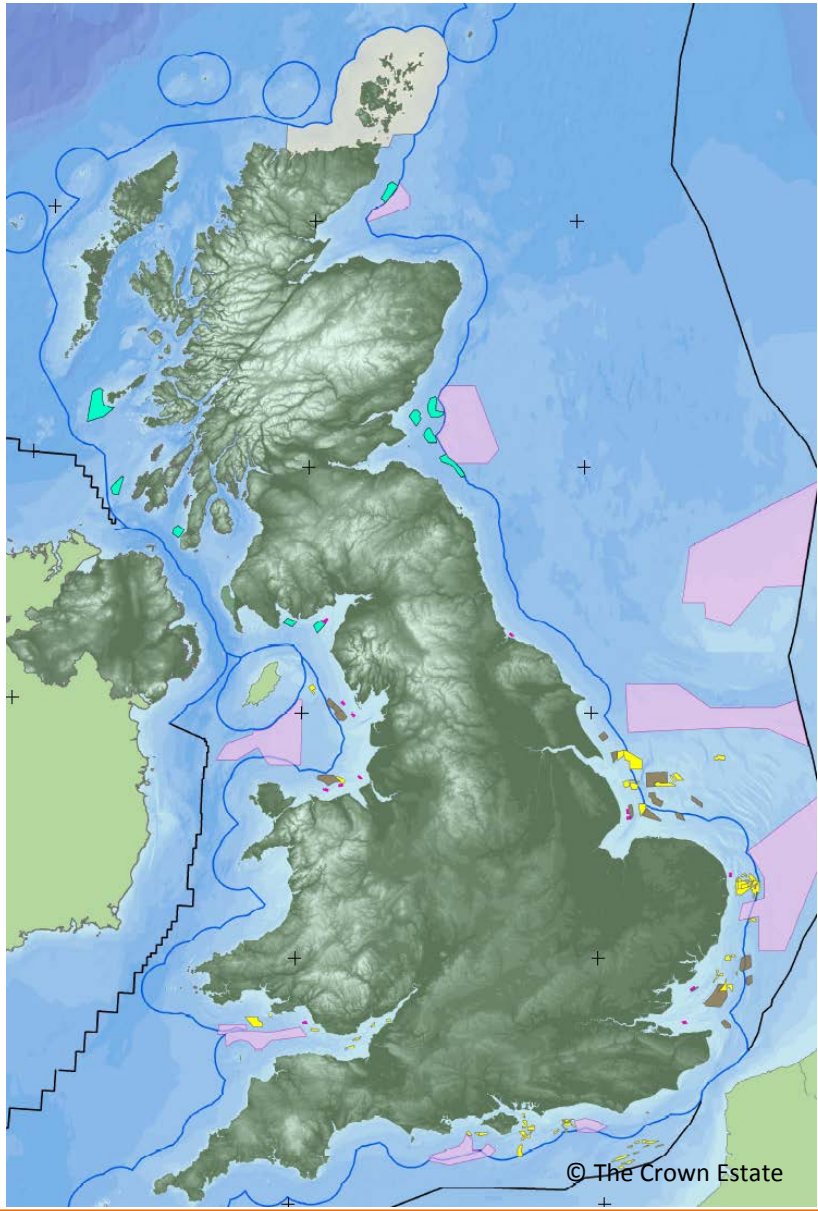
- There is over 35 GW of renewable power planned for UK waters
- This is likely to take most of the next 20 years
- £100 billion+ of capex
- The supply chain is constrained, major investment opportunities exist

- **Challenges**

- Political uncertainty surrounds the industry
- Cost reduction is critical
- Increasing risk and reducing costs don't sit well together

# DOF Subsea | Renewables Map

- Round 1
- Round 2
- Round 3
- Scottish Territorial Waters
- Marine



# Oil and Gas | Subsea Industry in Renewables



- A number of large subsea players are operating in the sector
- Most are tier 2 and below
- The big \$\$ contracts have yet to be signed
- Multiple opportunities for a wide range of services
- Of all O&G sectors subsea has the largest role to play in renewables

# Subsea | Areas of interest



- Cables/cable entry
- Lay equipment
- Structures
- Monitoring equipment
- ROVs
- Engineering consultancy
- Vessels
- IRM
- Geotech/phys Survey

# Back to the future? | Two Scenarios

- 40 years of growth and development
  - Ignore or embrace?
  - Step back or influence
  - Progress or reset the clock
- Either way it is 'Back to the future'
- Where in the past do you want to start?
- Limited attempts to get results



# Back to the future? | The Rewards

- A new future
- £100 billion+ capex
- 20+ years of work
- Financial rewards are in
  - Cost reduction
  - Innovation
- Knowledge exchange



- Currently the renewables industry lacks certainty
- The 'market' will slow while the 'paper work' is done
- The renewables industry cannot afford to reset the clock to day one
- The subsea industry at all levels can embrace renewables
- Co-operation is critical to success
- Without reduced costs there won't be offshore renewables

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