
Committed to a clean energy future
How can renewables learn from O&G asset management?



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Asset Management - the problem

- > To date energy generation in a marine environment has a poor history of O&M efficiency
- > Multiple vessel campaigns caused by lack of communication or planning
- > Lack of any historical information to allow integrity assessments
- > Inspections having to be repeated due to lost documentation
- > Infrastructure on the seabed that no one knows the details of
- > A jumble of different tools controlled by different divisions that do not interact with each other



Data from Day 1

- > Data is key – turn it into information
 - Collect it, Store it
 - Search it, Analyse it
 - Share it, Make it work for you.
- > Life Extension starts now
- > Massive hidden cost impact
- > Never too early to be doing something right





Projects & Ops

- > Divergent targets and mindsets
- > Balanced view on CAPEX vs OPEX
- > Transfer of knowledge
- > Handling the dump of documents
- > The threat of bright shiny new equipment

Consents & Licensing

- > Where are they now?
- > Store it
- > Centralise it
- > Share it
- > How do you abide by your conditions if not everyone is aware of them?



Installation Information

- > Prove you did it right
- > Defect liability up to 12yrs
- > Baseline information
- > Roll any issues into life cycle plan

Spares Management

- > Warehouses and Yards full of spare kit
- > Almost never used
- > Useless without the matching documents
- > More applicable to array devices
- > Should be managed and tracked using the same system as in service components





What can you do?

- > Create an Asset management system that reflects how you want your organisation to work. Collaborative, Innovative, Open, Forward Thinking.
- > A system that shares information across the company avoiding silos
- > Use specialist equipment & programs but feed their results into collaborative system. This increases access and awareness to information while minimizing license costs
- > Test your system as you grow. O&M is a large part of the lifecycle cost why don't we test this in parallel with the technology?