Simulation of offshore cranes and lifting operations (holistic perspective)

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Vision for SFI MOVE

Centre for Marine Operations

Response-based criteria – from design to operations

Subsea Mining

Offshore wind

Offshore Oil & Gas

Significant mineral resources within Norwegian zone of interest. Exploration of technology to enable seabed mining. Focus: Research

Fixed and floating offshore wind projects – installation, service and maintenance methods. Focus: Innovation

All-year operations, safe operations and cost efficient operations. Focus: Industrialization
Focus

CENTRE FOR MARINE OPERATIONS

• All year subsea operations installation & service
• Safer and more cost-efficient operations
• Support innovation and improvement in existing and emerging ocean industries
Response based operations, 
- from design to operations

How?

- Improved understanding of complex physical phenomena
- Virtual prototyping, from planning to execution
- Simulation and Virtual Prototyping as an industrial standard
- Onboard decision support systems
- Improved team (operational) performance (test/practice/evaluate)
- Online environment monitoring
Thick Description

Relevant record (log)/reset points – from/to operation (sim)

Instruments (eyetracking etc)

Audio

Video

Annotation

Observation/performance parameters -threshold

1

2

Presentation / Analysis / Evaluation
Interested in collaboration?
...or just to come and visit?
Welcome!