

# National Decommissioning Centre

Prof Richard Neilson – Centre Director

## Who we are

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Partnership between the Net Zero Technology Centre and the University of Aberdeen

- Funded by Aberdeen and City Region Deal (£12.7m) and the University of Aberdeen (£8m)
- Launched Jan 2019
- Interdisciplinary research centre

Partners include Chevron, Shell, Nuclear Decommissioning Authority, Offshore Renewable Energy Catapult, Claxton Engineering.

# Our location



# Our facilities



**Hyperbaric testing**



**Indoor immersion tank**



**Environmental chamber**



**Industrial laser**



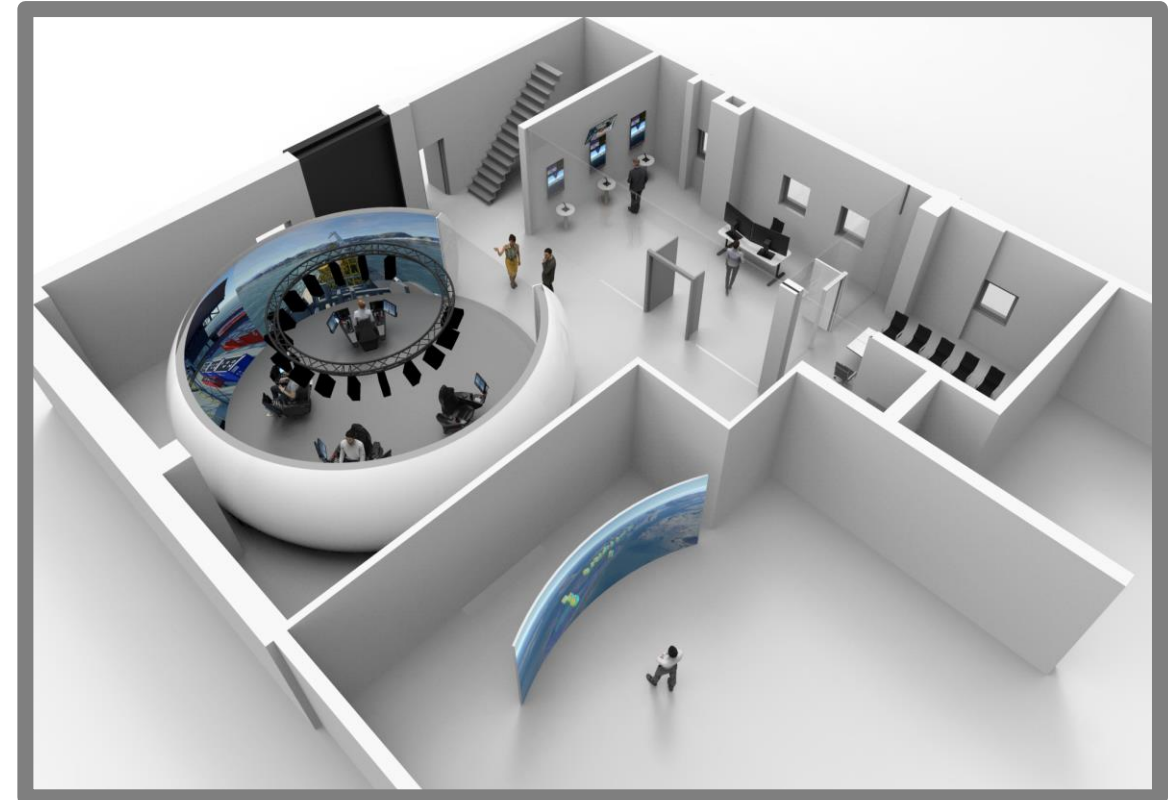
**Supercomputer**



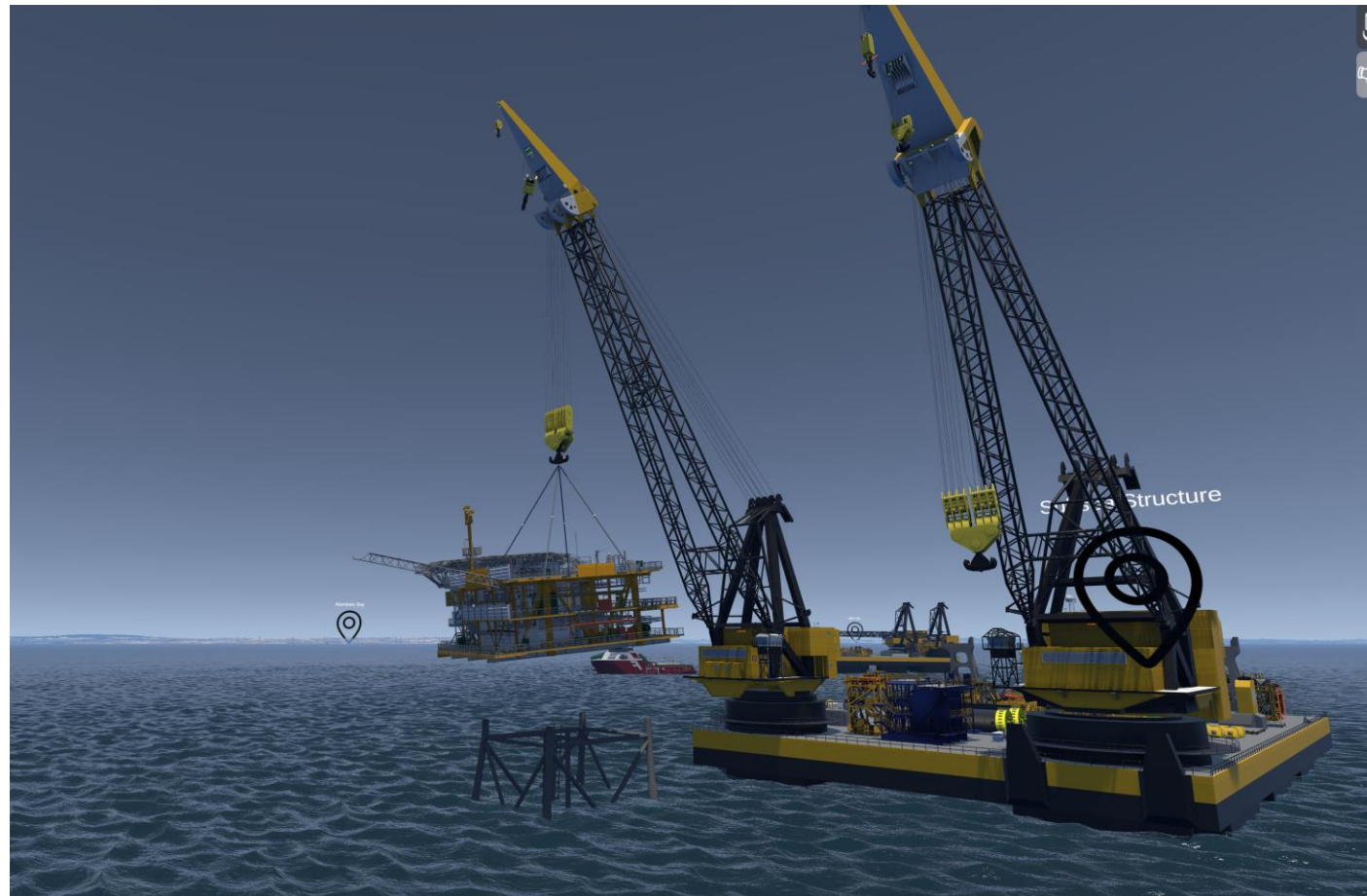
**Advanced workshop**



# NDC Marine Simulator



# What we expected to do...





# What we have been doing...





# Partnership with the ORE Catapult...

Powered by



## Offshore Renewable Energy Catapult

ORE Catapult is an NDC Project Partner

- Co-sponsoring 3 PhDs on:
- Simulation of Floating Offshore Wind Marine Operations
- Environmental Impact of Floating Offshore Wind
- Multi-objective Optimisation of Floating Offshore Wind Mooring/anchor systems

Starting a joint project on modelling port infrastructure for offshore floating wind deployment.







**The  
National  
Decommissioning  
Centre**

Innovation through Partnership



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# Thanks!