



Exploitation workshop on
MOSES AutoDock System

MOSES AutoMoor



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01.12.2023

MOSES AutoMoor

Innovations – Small Scale Unit:

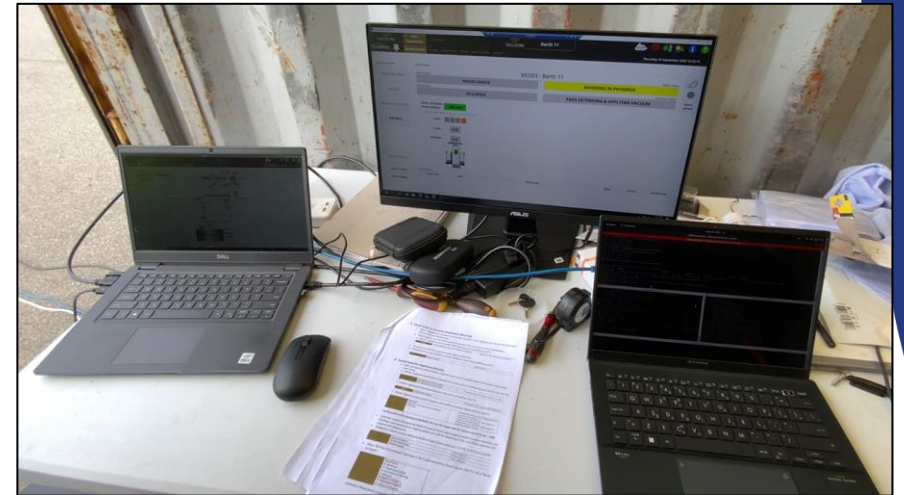
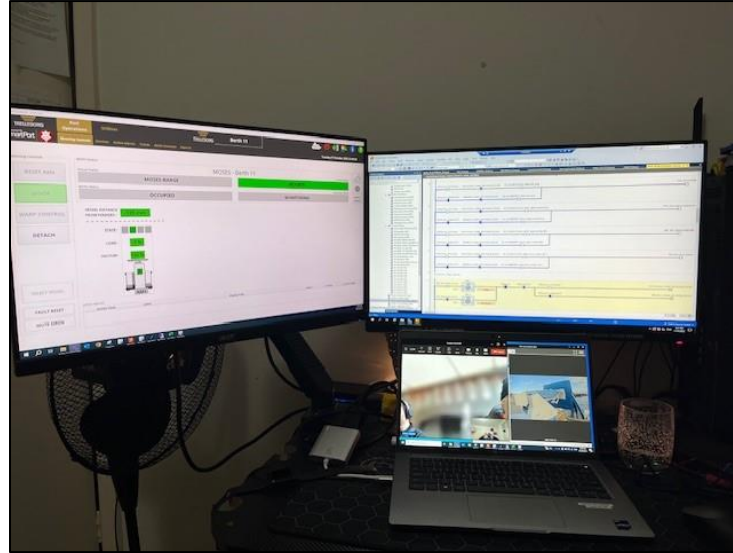
- Small-scale version:
 - Lower capacity pad (10T)
 - Self-contained (all-in-one) design
 - More efficient drive system (electromechanical linear drive vs hydraulic cylinder)
 - Bespoke vacuum tank
 - Small scale HPU
 - Maintenance access improved



MOSES AutoMoor

Innovations – Autonomous Operation:

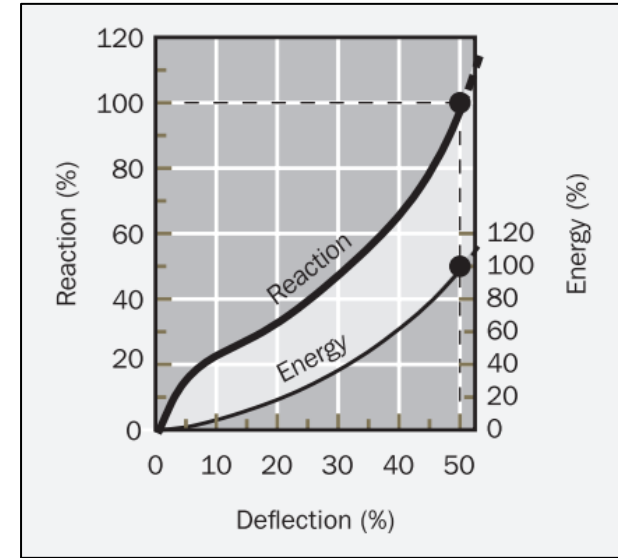
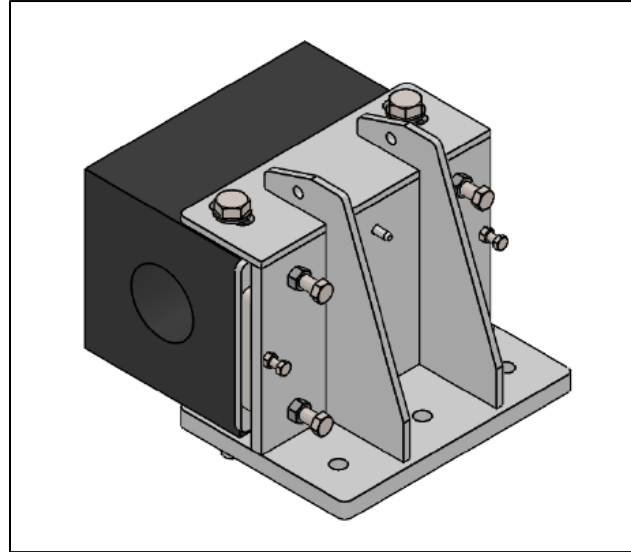
- Integration of control system with autonomous tug boat swarm
 - Moor/De-Moor without operator input
 - Modbus TCP via Wi-Fi
 - TRL5 situational awareness and control



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Innovations – Other:

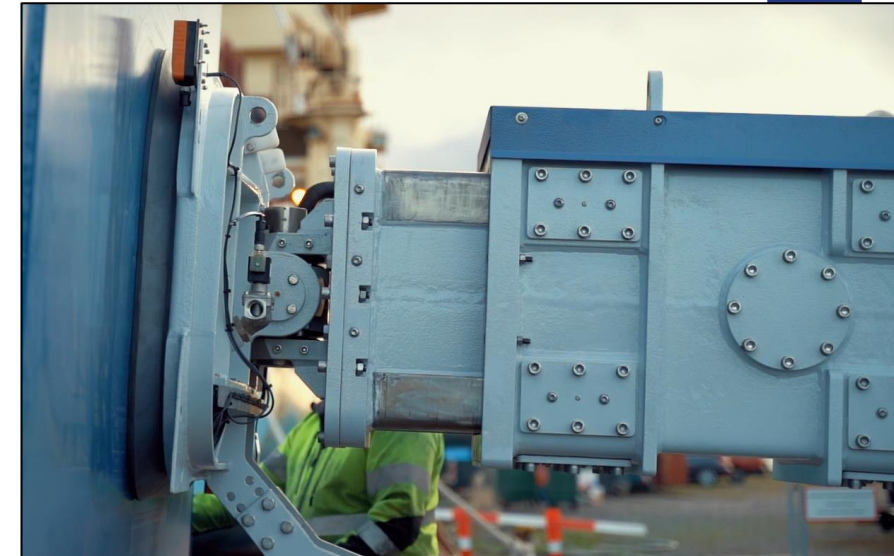
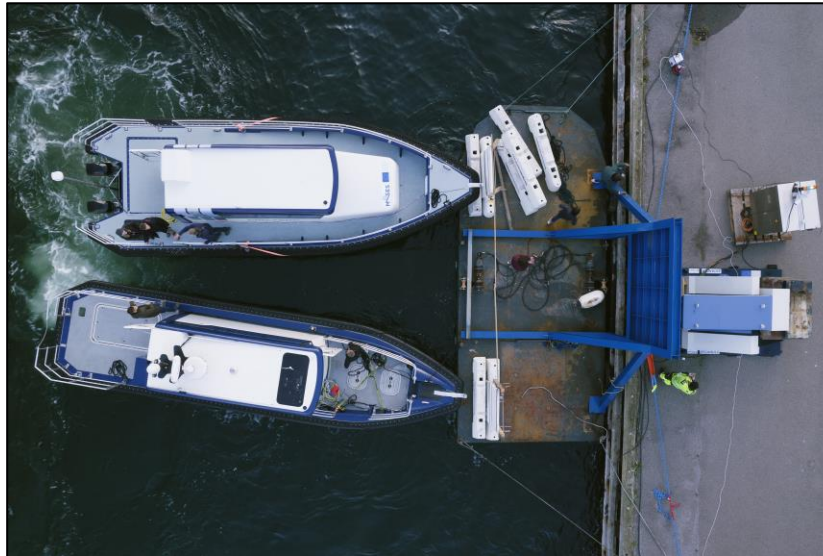
- Passive surge dampers
- Energy harvesting



MOSES AutoMoor

Pilot 1 Demonstration

- Successful integration with tug-boat swarm (autonomous operation)
- 100% availability of AutoMoor (no downtime)
- Fast commissioning & decommissioning (2 days)
- Mooring < 60s
- Detach < 30s





Thank you for your attention!



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ES This project has received funding from the European Union's horizon 2020 research and innovation programme under grant agreement No. 861678.

