

ASUT

Access System Utilization Tool



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BMO *
OFFSHORE

 **Acta Marine**
Wind Services B.V.


AMPELMANN

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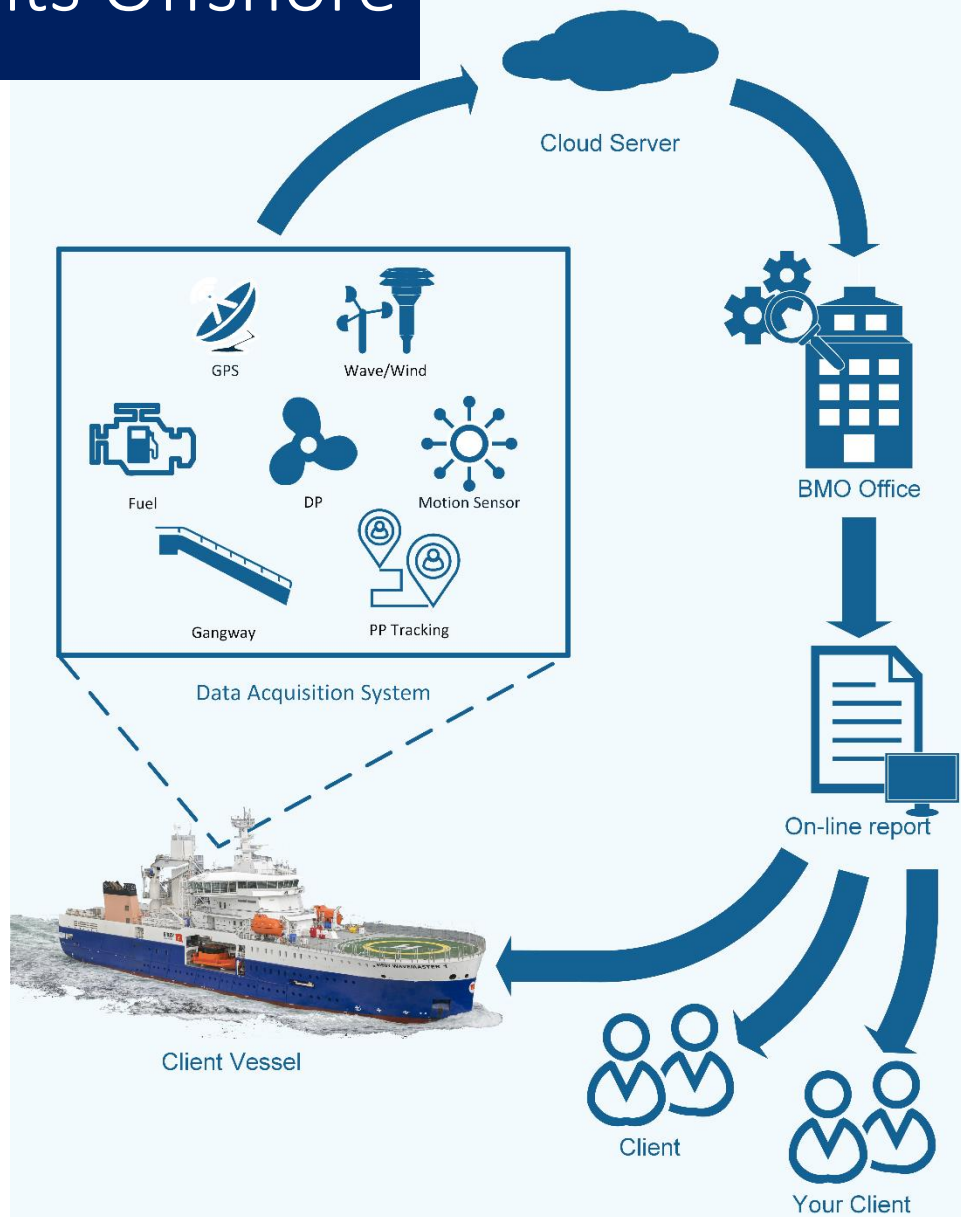
BMO: Better Measurements Offshore



CTV: Crew Transfer Vessel



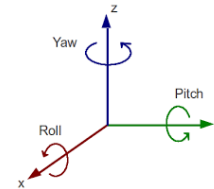
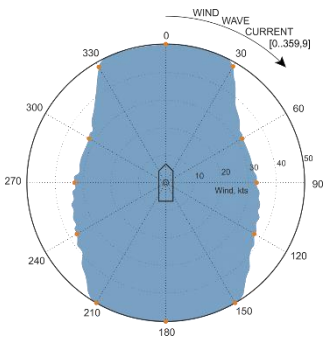
SOV: Service Operations Vessel



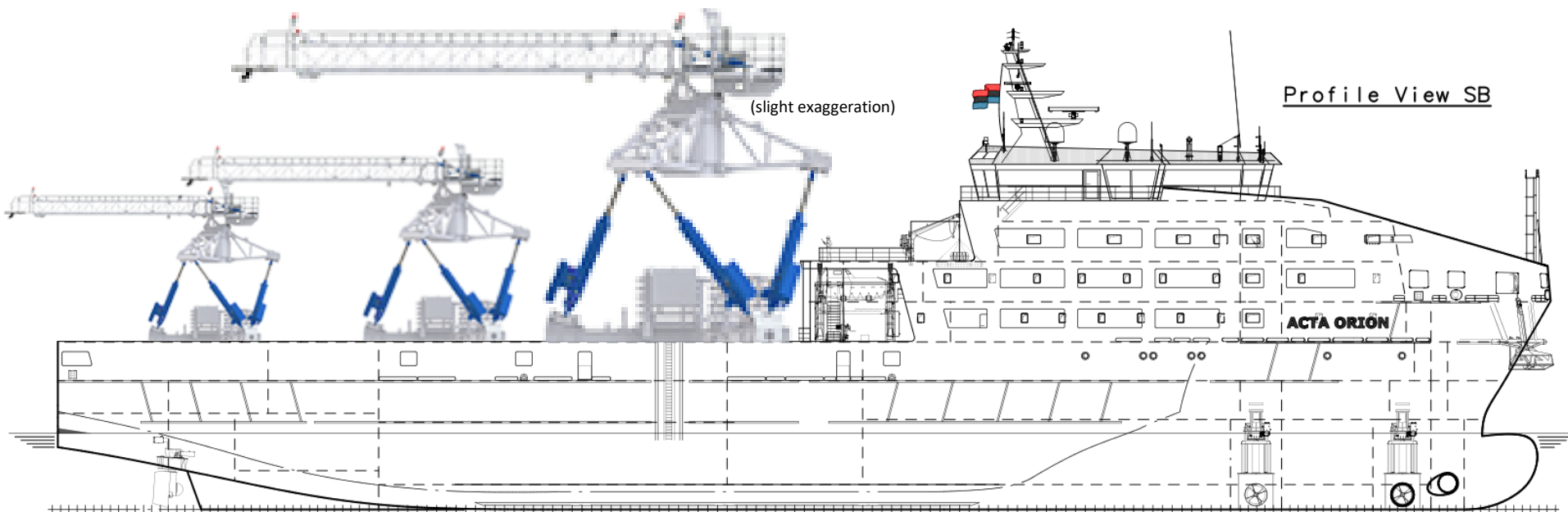
ASUT: The Problem



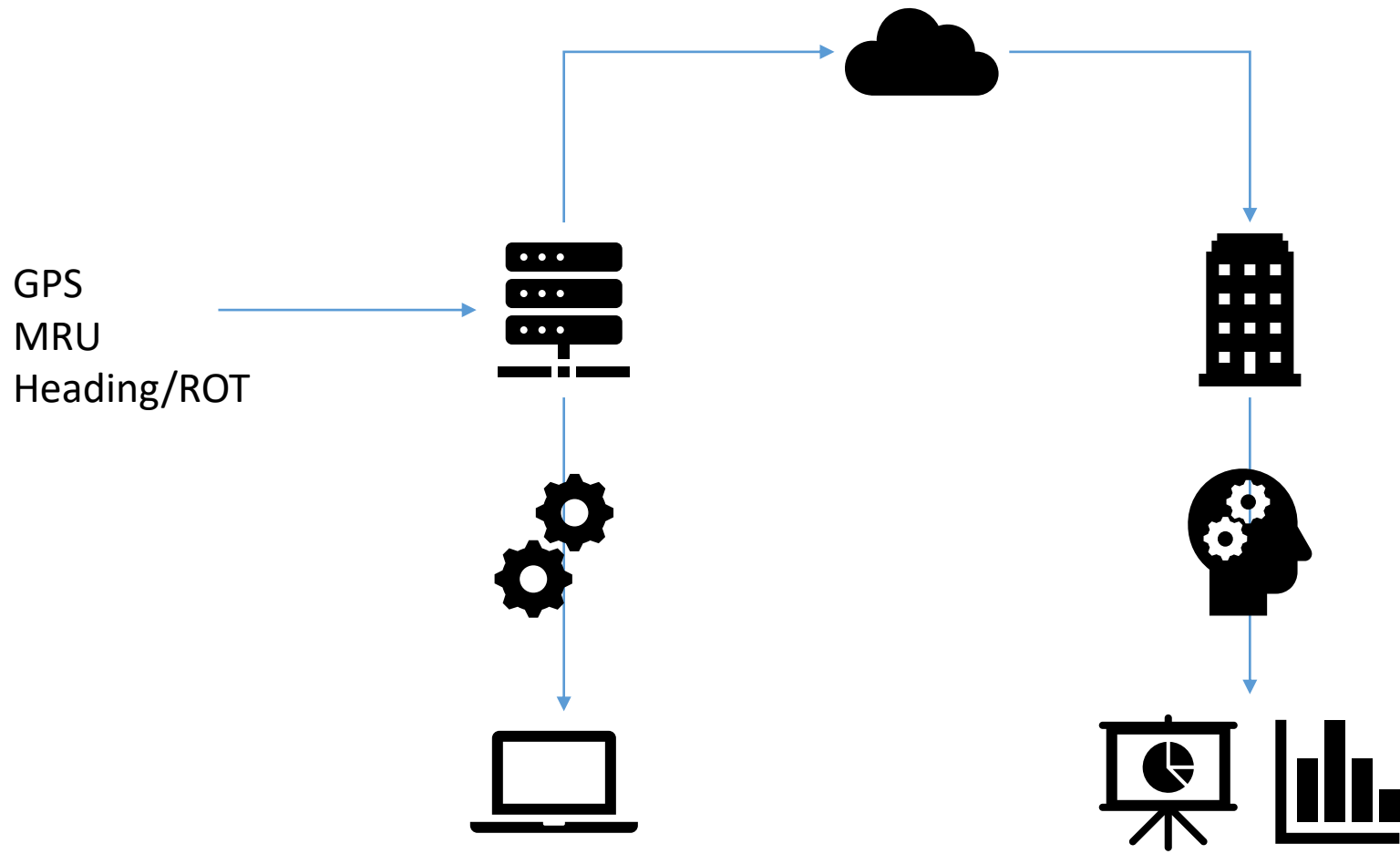
1. Reference frame on vessel



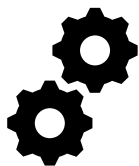
2. Optimizing for the right-sized gangway and find its limits



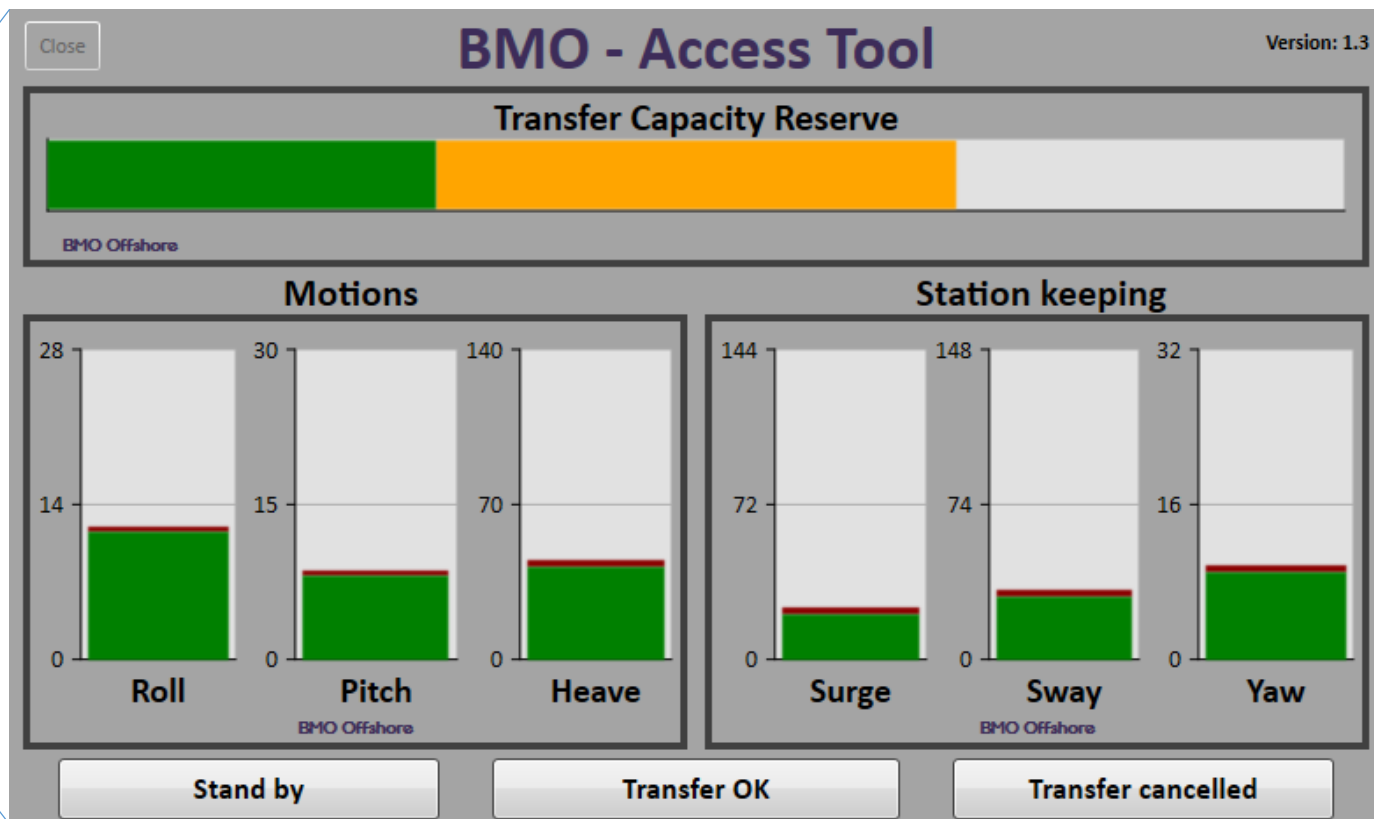
ASUT: The Solution



The Solution (1)



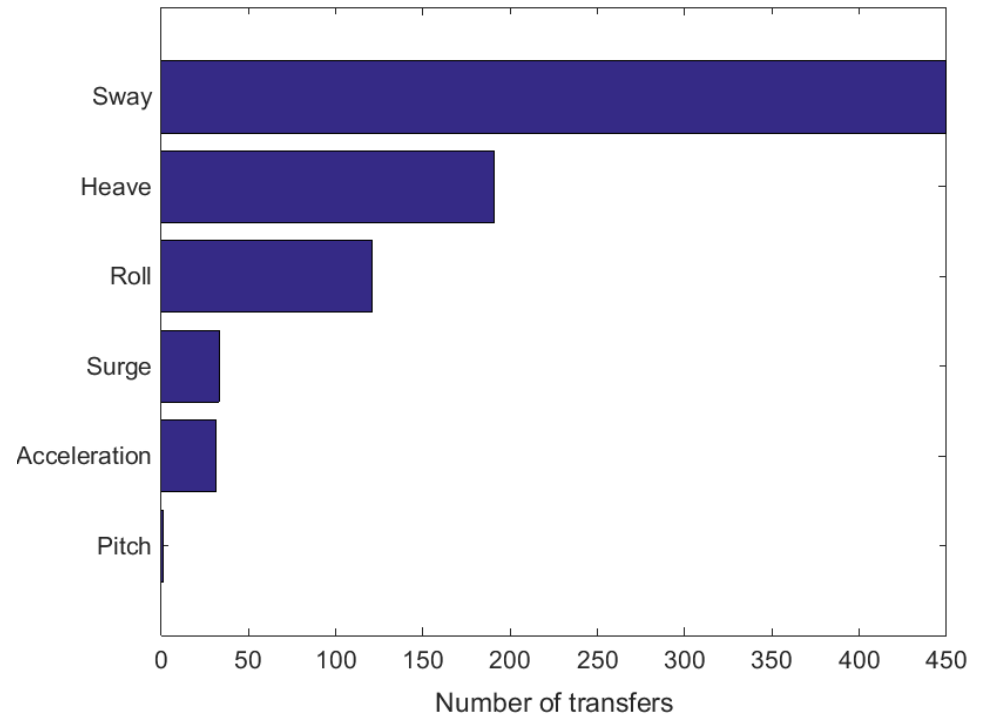
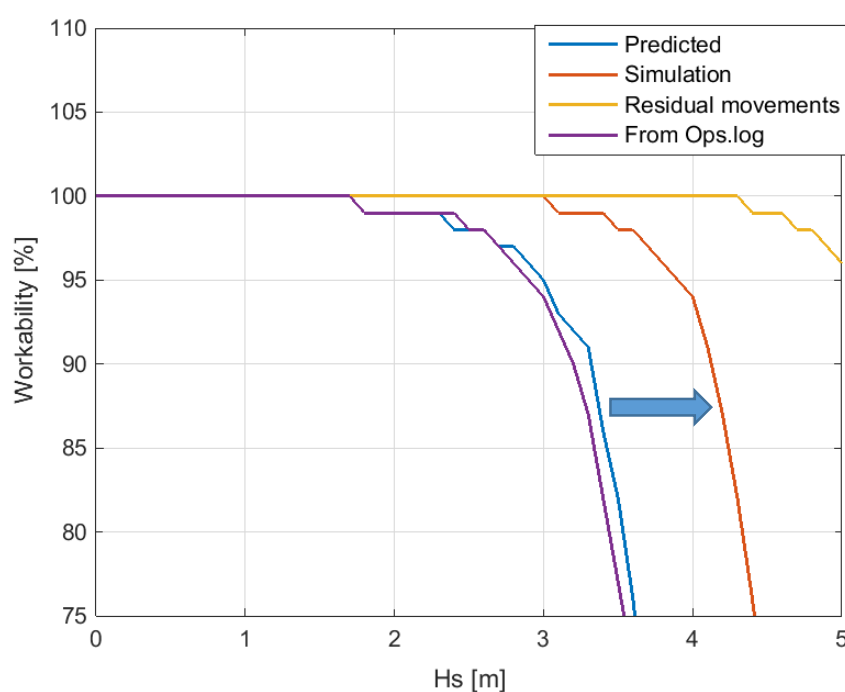
Determine vessel motions at gangway relative to limit



The Solution (2)



1. Calculate gangway capacity from measurements
2. Validate with recorded “green-go”
3. Extrapolate this to higher sea-states



ASUT: What went wrong?

- Getting the crew involved



- Determining gangway limits

ASUT: What went right?

- Simulating gangway performance



€ 50k

VS



€ 2k

- Discovering other potential valuable statistics from the data

Commercialization: Argus



Monitoring
↓
Data analytics
↓
Reporting



Commercialization: Argus



BMO on-line dataviewer

BMO Dataviewer

Dashboard
Vessels and Reports
Campaigns
Settings
Log Out

Vessel report || SOV example || 02-10-2019

2019-10-02 | SOV example | Print DPR

Map showing vessel path (red line) and exclusion zone (black dots).

Daily Summary

Distance sailed	32.9 NM
Number of gangway connections	6
Average time spent docking	24 minutes
Number of CTV vessel to vessel transfers	10
Average time spent docking (vessels)	18 minutes

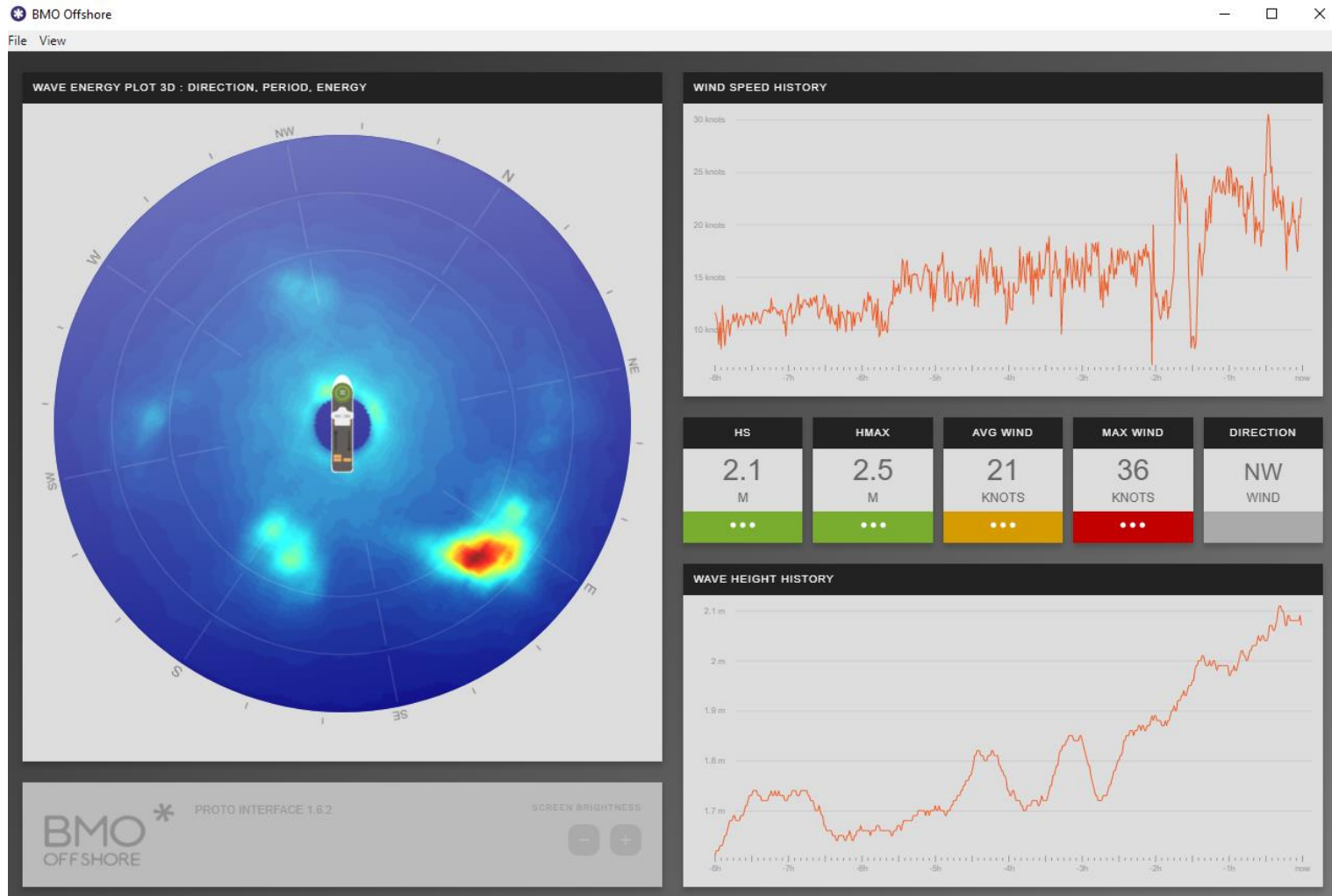
Operational activity

Legend: Sailing (blue), Waiting (purple), Exclusion zone (green), CTV operations duration (orange)

Follow-up project



Wave Analyzer



Questions?



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