



Ein digital revolusjon av subsea-inspeksjon - historia og fremtida til Autonomous Inspection Drone

Haugesund

8th of August 2023

We do it because it is hard!



Standing on the shoulder of giants



Vaarst

DEEPOCEAN



WHO WE ARE

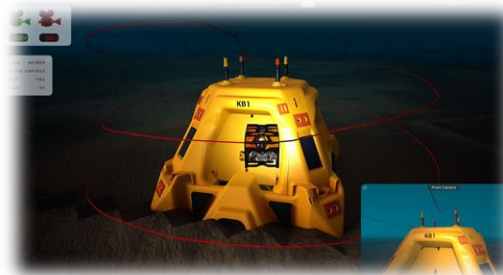
Autonomous Inspection Drone – Disrupting the inspection market

Why

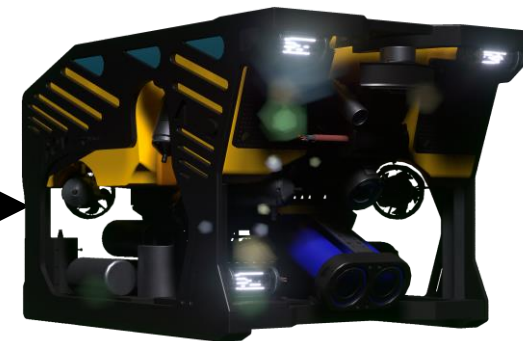
and

What

DeepOcean Digital Twin



Autonomous Inspection Drone



Argus Rover MKII ROV platform



Vaarst Machine Vision Camera



World-leading
experts



Smart sustainable
solutions



Remote first

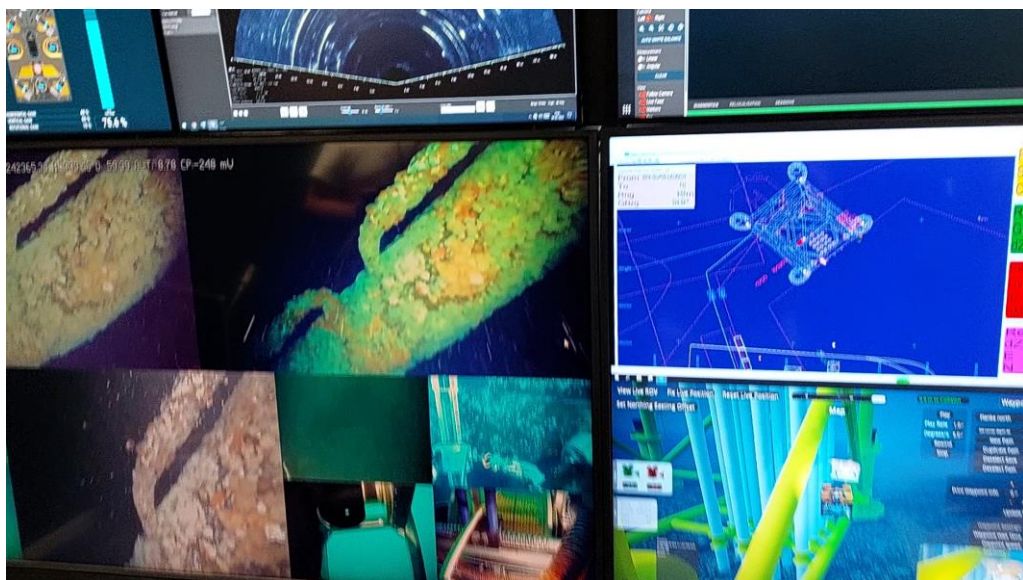


Independent
solution provider



Asset light

AID in operation controlled from Remota



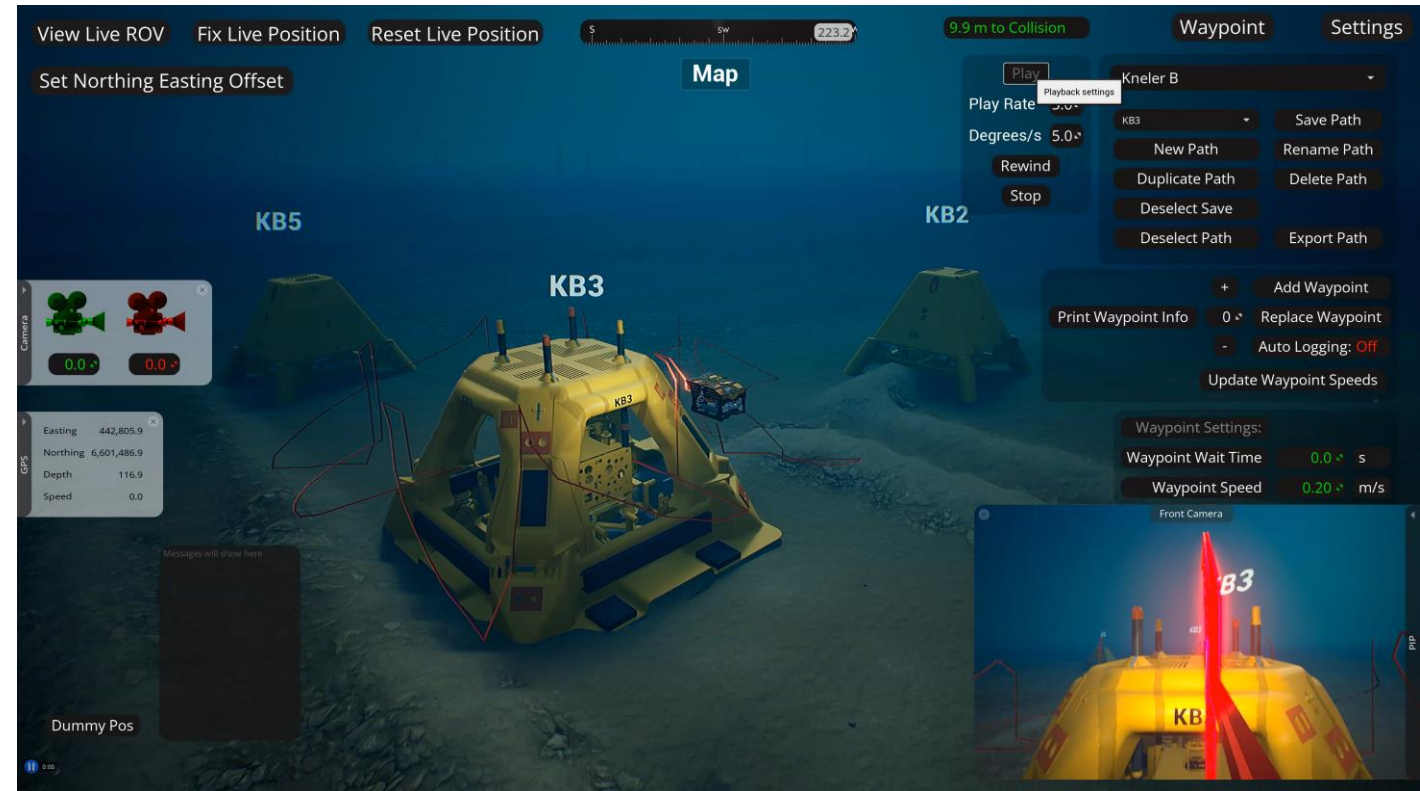
2023 and 2024

2023

- Offshore trials at Alvheim Field in August
- All routes planned in digital twin
- Establishment of track record
- Robustness and value creation

2024

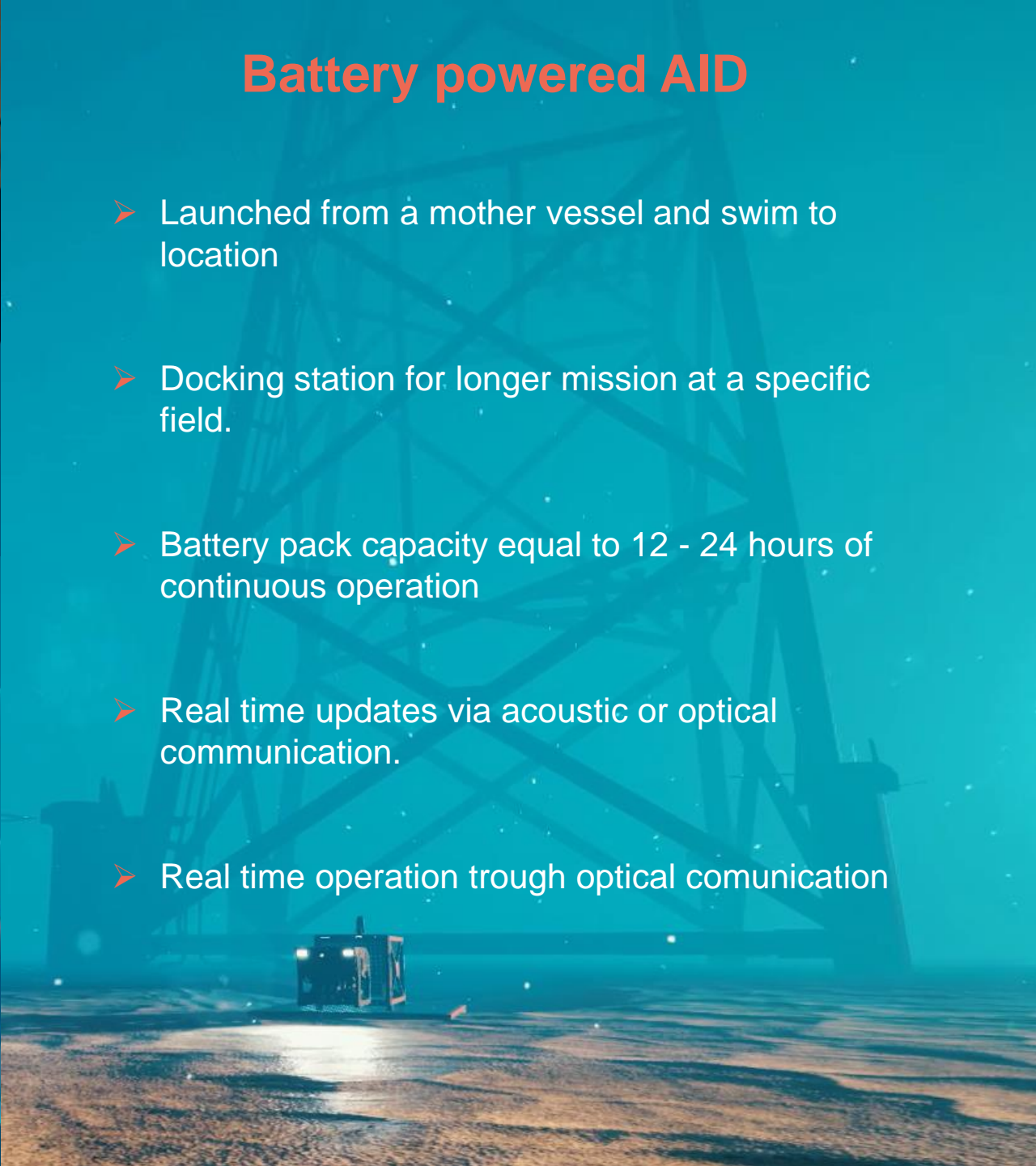
- Mission control via optical and acoustic communication
- The Tesla conundrum
- Engineering of battery powered AID





Battery powered AID

- Launched from a mother vessel and swim to location
- Docking station for longer mission at a specific field.
- Battery pack capacity equal to 12 - 24 hours of continuous operation
- Real time updates via acoustic or optical communication.
- Real time operation trough optical communication



The Singularity

2029

and

2045

Extract the value through integrated solutions!

- Planning
- Execution
- Reporting





Thank you