

NORBIT

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SeaCOP for Port Applications

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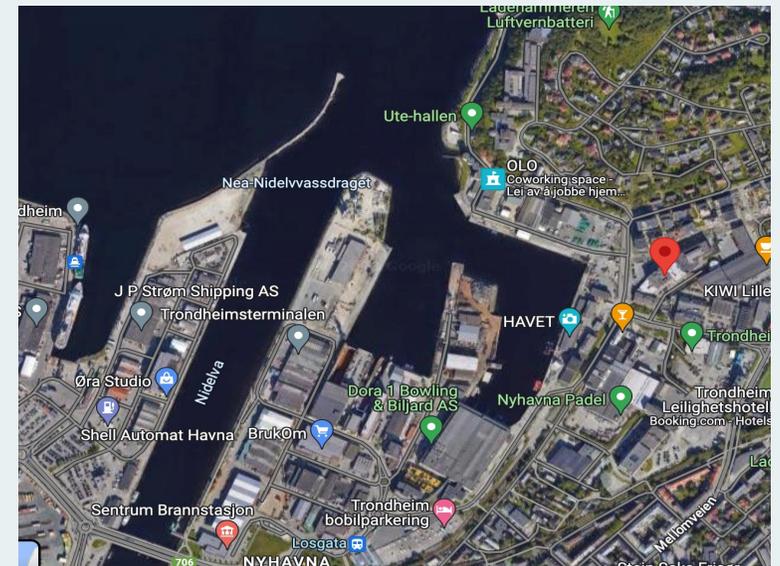
Ports and terminals all over Europe are implementing stricter environmental requirements

Fictive case: Documentation of compliance with environmental requirements related to bunkering of fuel in the Port of Trondheim

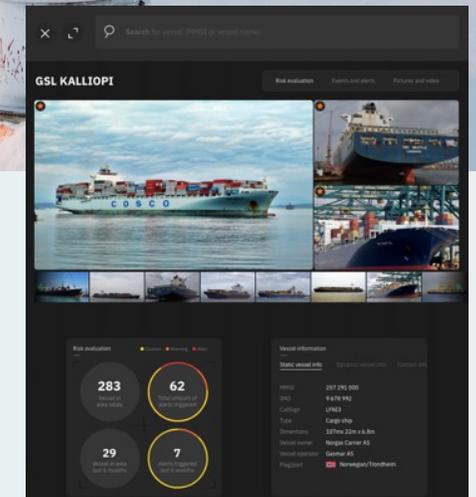
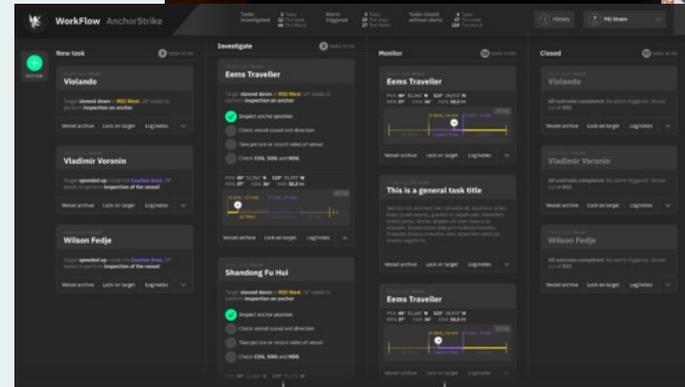
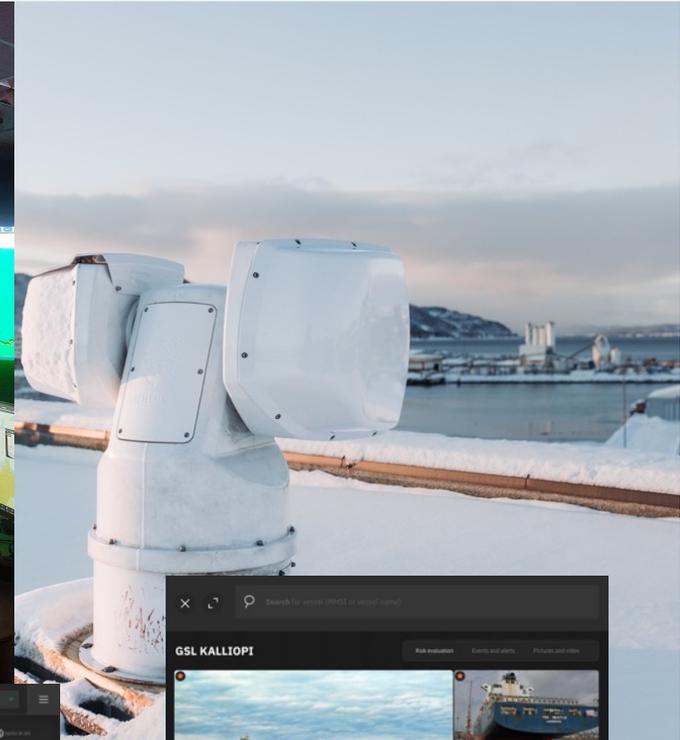
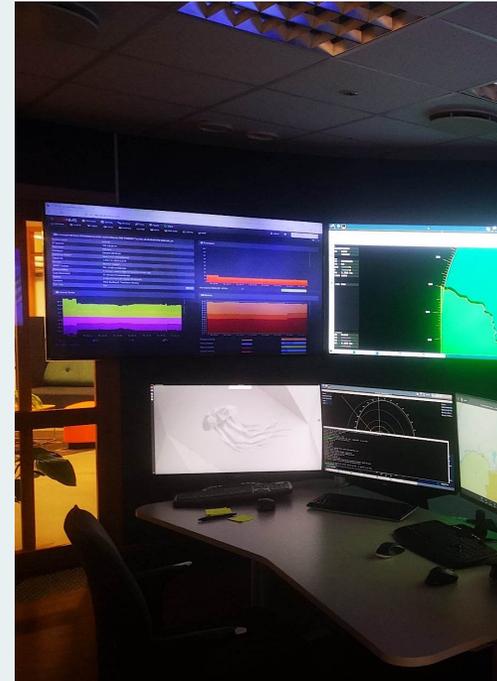
Location: NORBIT Aptomar, Stiklestadveien 1, 7041 Trondheim



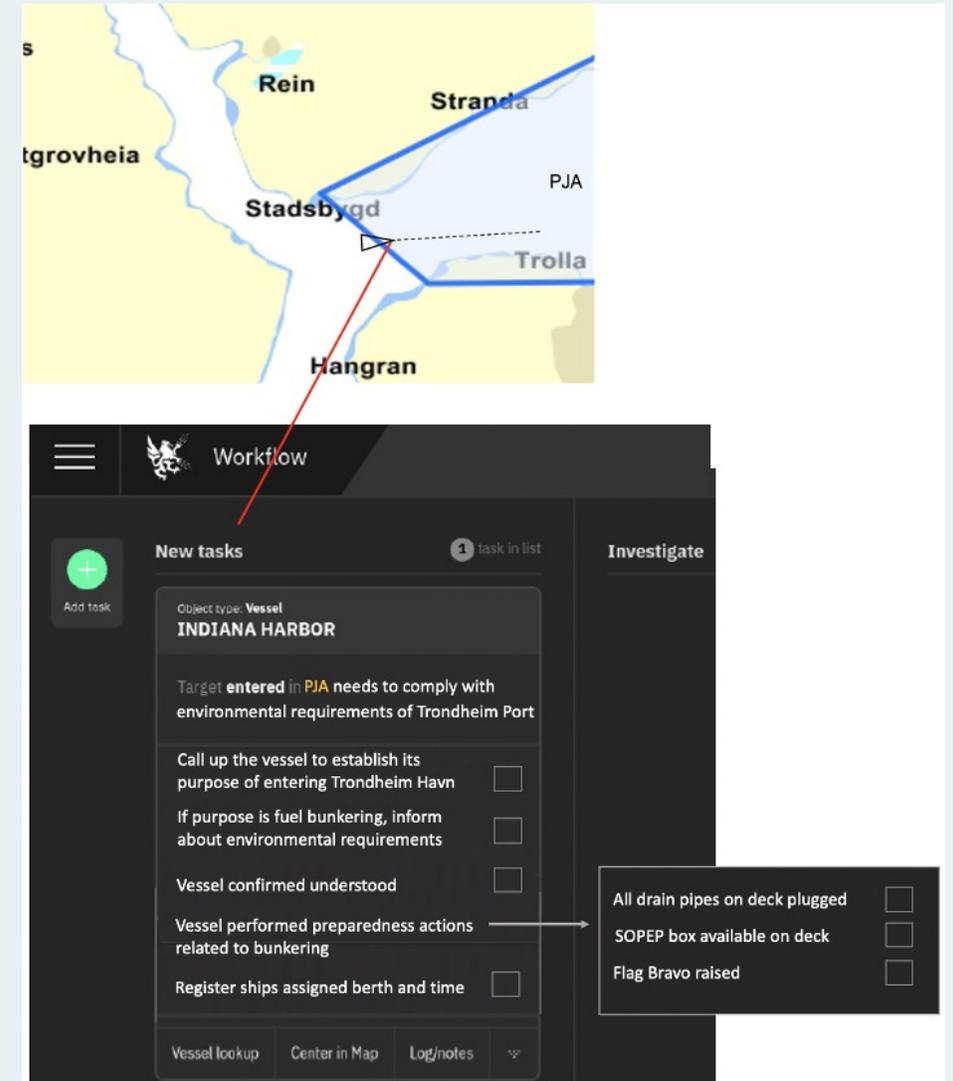
Port Jurisdiction Area (PJA)



- Operations room at NORBIT Aptomar in Stiklestadveien with:
 - SECurus
 - Radar
 - AIS receiver
 - VHF
- SeaCOP field monitoring software with:
 - Geo-fenceing
 - Workflow task manager
 - Vessel Lookup



- All ships (with AIS) that cross the geo-fence in SeaCOP, will automatically appear as new task in the Workflow Task Manager
- The following tasks on the **new task card** shall be completed by the operator:
 - Call up the vessel on VHF; establish whether the purpose of the visit is to bunker fuel
 - If fueling is the purpose, inform the vessel about compliance with new environmental requirements in Trondheim Port
 - Make sure that the vessel has:
 - Plugged all drainage holes
 - SOPEP box is available on deck
 - Bravo flag is raised
 - Register assigned pier and timepoint for bunkering from the Trondheim Port Authorities in Vessel Lookup



- On the investigate card, the following tasks shall be completed by the operator:
- Point the IR camera (SECurus) towards the fuel hose
- Take a picture of the sea surface surrounding the vessel every 30. minutes, and one upon completed bunkering to document clean sea. These are saved as a report on the vessel in the Vessel Lookup archive
- Tick off for:
 - Completed bunkering
 - Whether the operation was clean or whether there was spillage to the sea

Investigate 1 task in list

Object type: **Vessel**
CG BISCAYNE

Vessel bunkering fuel in **PJA**
Monitoring and documentation checklist

- Point IR camera on fuel hose
- Take picture: _____ →
- Bunkering complete: _____ →

Vessel lookup | Center in Map | Log/notes | ⋮

At start of bunkering	<input type="checkbox"/>
After 30 min	<input type="checkbox"/>
After 60 min	<input type="checkbox"/>
After 90 min	<input type="checkbox"/>
120 min	<input type="checkbox"/>
After bunkering complete	<input type="checkbox"/>

No spill	<input type="checkbox"/>
Spill	<input type="checkbox"/>

The operation -In case of a spill

- If fuel was spilt and the **spill** checkbox was ticked off in Workflow, the following tasks will appear:
 - Contact the fire department: phone 110
 - Initiate video recording for documentation purposes
- All information on the bunkering will be saved on the ship in the Vessel Lookup archive, and the task can be closed when the ship leaves the geo-fence

No spill	<input type="checkbox"/>	Call 110 to report the spill	<input type="checkbox"/>
Spill	<input type="checkbox"/>	Initiate video recording for documentation	<input type="checkbox"/>

