

New Energies Terminals (NET)

Our Mission and Portfolio of Jetty-less solutions

Risk management of High Pressure, Explosive, Toxic, or Cryogenic products: from Technology qualification to Offshore Operations



SBM Offshore pioneered offshore systems, Committed to:

- 1) Safety
- 2) Cost Efficiency

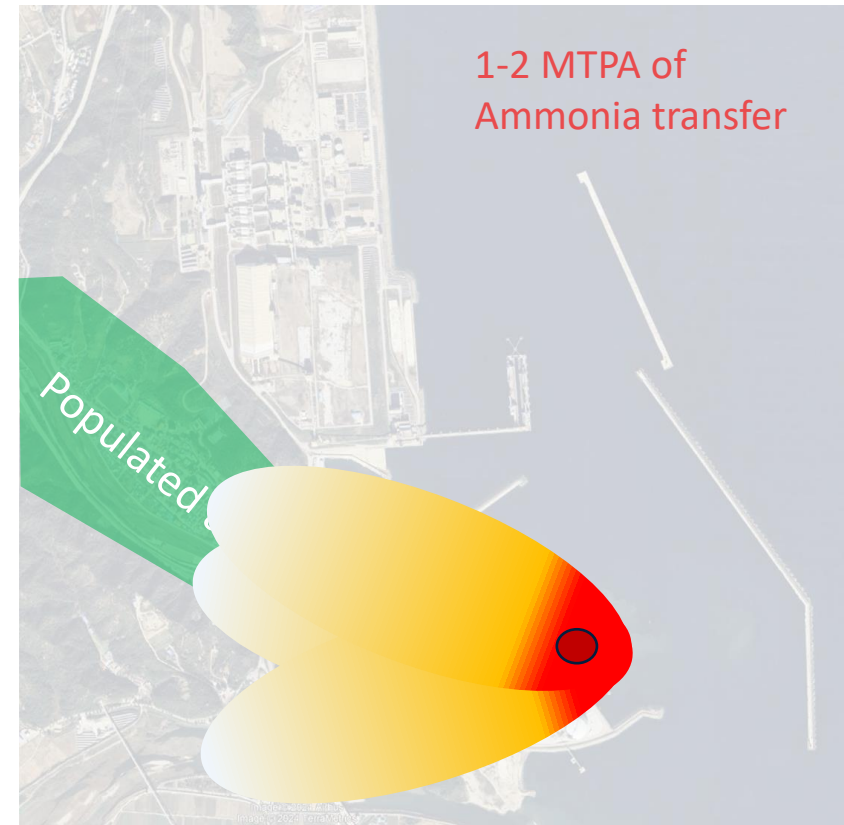
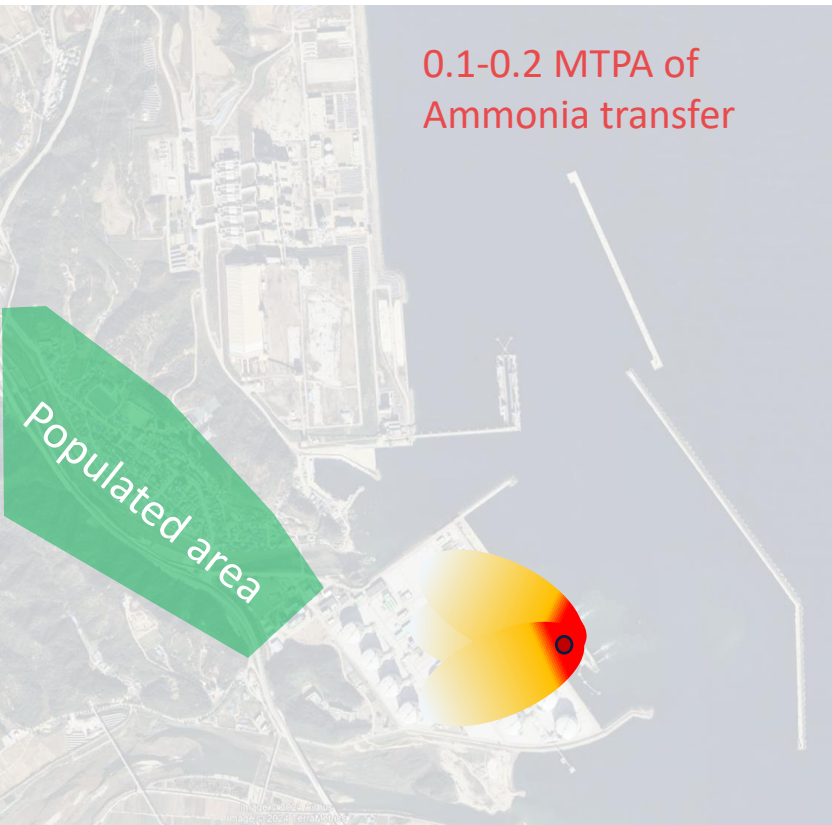
From CALM buoy – which is our name Single Buoy Mooring To our Today core business lease & operate of FPSOs large & complex Floating Production Storage Offloading



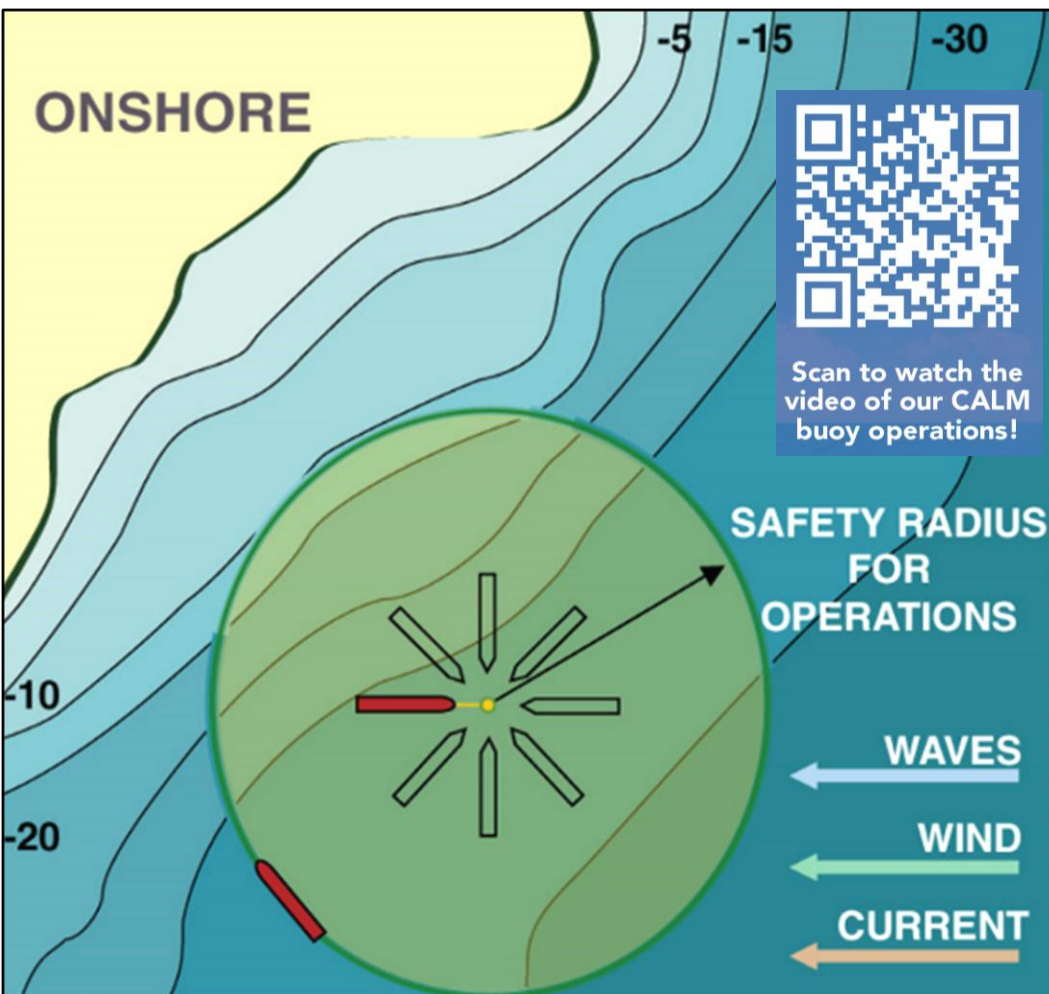
Over 80 World Firsts in Offshore Industry



- Larger flow rate => large release potential => larger toxic cloud
- Higher frequency => larger overall safety radius (more scenarios to consider)



Safety is not negotiable => only question: what concept optimizes the project NPV ?
=> Jetty-less concepts often lead to **best CAPEX/OPEX/Uptime combination**



Jetty-less Advantages

- No port
- Simpler construction permitting
- No dredging
- Lower cost
- Shorter delivery time
- High Uptime
- Simpler decommissioning
- No limit on carrier size/length

Further advantages: this jetty-less FSO (Floating Storage & Offloading) concept can optimize project economics for challenging projects : long pipeline, lack of space, permitting issues,...



Shallow water weather-vaning FSO

e.g. in open sea



Very Shallow water & Short Footprint FSO

e.g. within lee side of existing breakwater allowing for fixed heading



Scan to watch the video of our CALM buoy operations!



Scan to find out about our Jettyless SPM Fluid Transfer Solutions!



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