



## JETTY-LESS SOLUTIONS

### Short Footprint Buoy Mooring

#### PURPOSE:

Enable a cost effective jetty-less permanent mooring architecture for energy supply in protected areas previously considered as unsuitable or congested.

With its small and short footprint the SFBM provides a safe and cost effective solution for an FSO/FSRU.

A midship tower structure can be added in very shallow water for fluid and/or power transfer.



## JETTY-LESS SOLUTIONS for Floating Storage (FSO and FSRU) **SFBM for Protected and Congested areas**

### FUNCTIONAL CAPABILITIES:

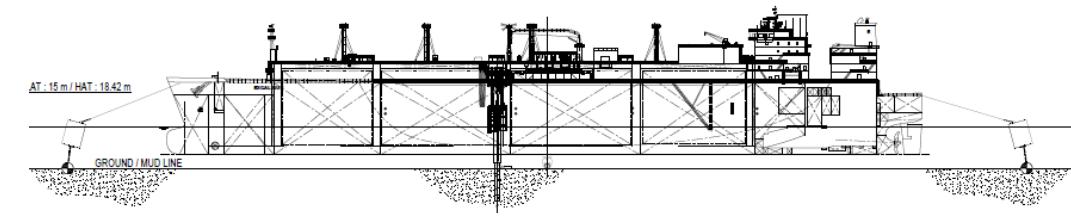
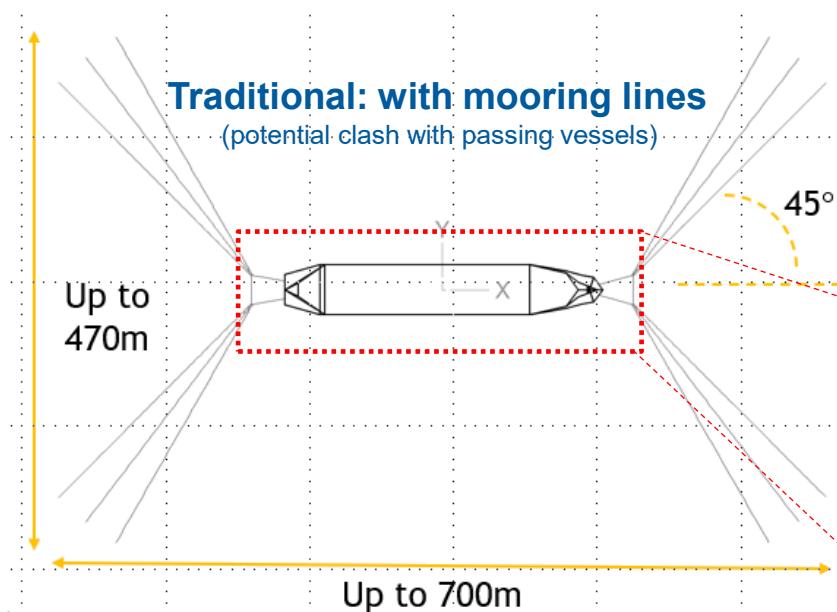
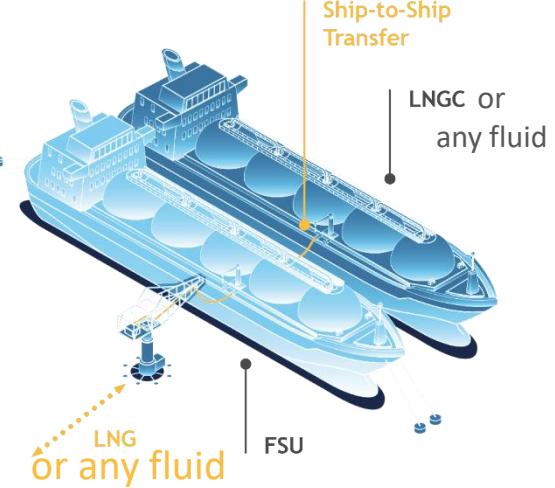
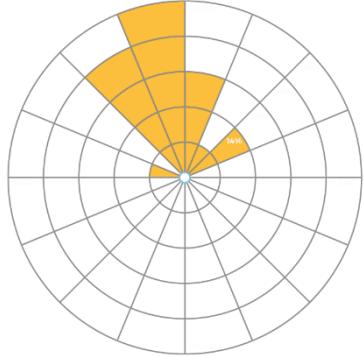
**SFBM: The Short Footprint Buoy Mooring** is a station keeping system for Shallow Waters that enables:

- Permanent mooring of FSO/FSRU
- Side-by-side off/loading operations
- Minimal modifications on FSO/FSRU donor vessel. NO dry docking required (only standard mooring equipment is integrated on main deck)
- Connection using existing vessel winches.
- FSO/FSRU disconnection and reconnection in few hours
- Easy change out of FSO/FSRU donor vessel

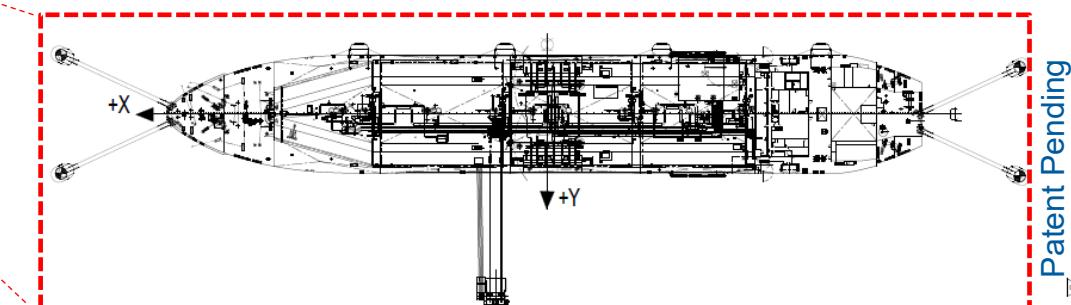


# JETTY-LESS SOLUTIONS for Floating Storage (FSO and FSRU) SFBM for Protected and Congested areas

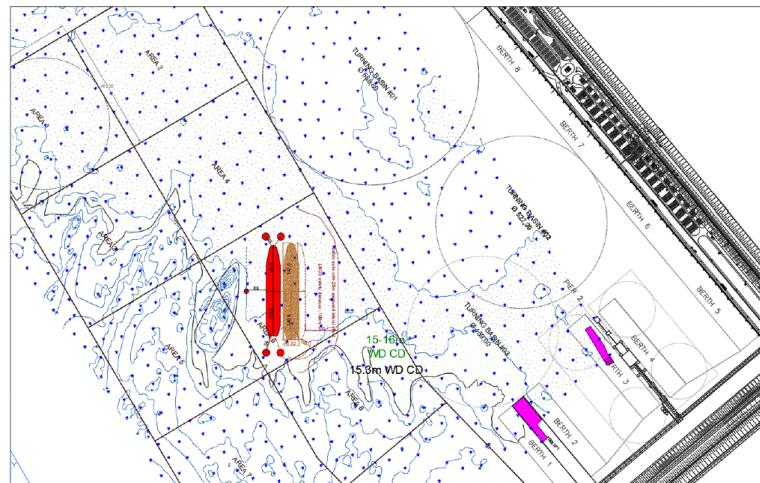
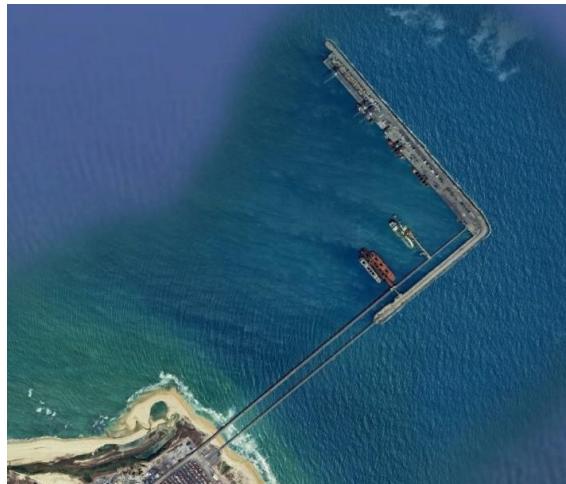
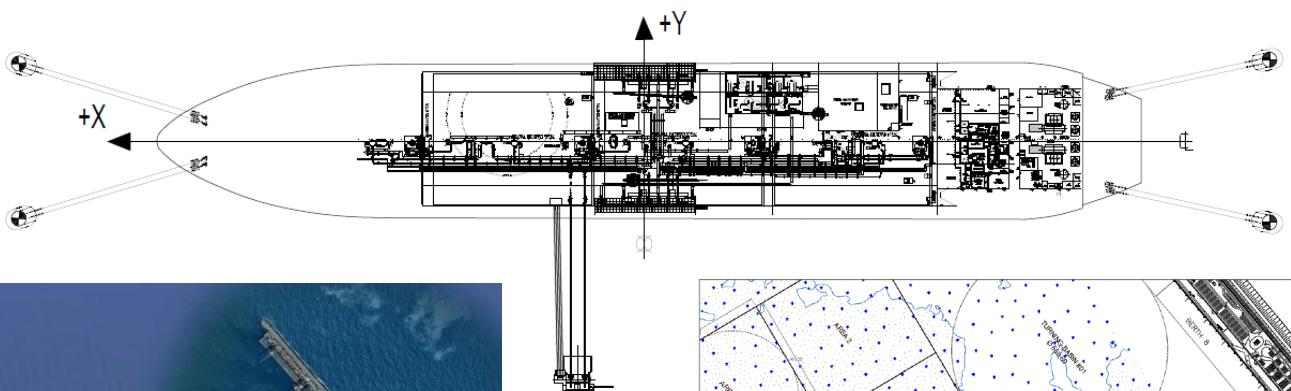
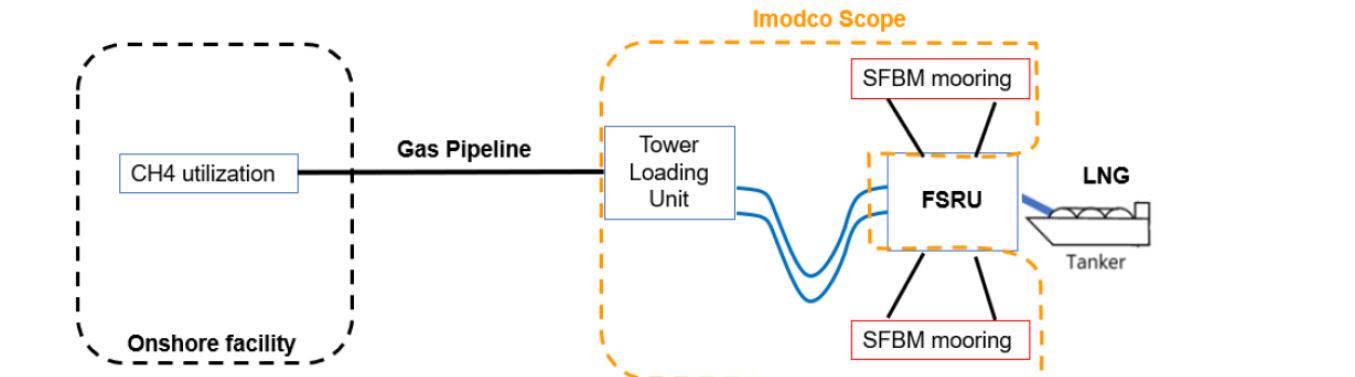
Directional environment.



SFBM: Short Footprint Buoy Mooring  
(no more clash with passing vessels)



# JETTY-LESS SOLUTIONS for Floating Storage (FSO and FSRU) SFBM for Protected and Congested areas



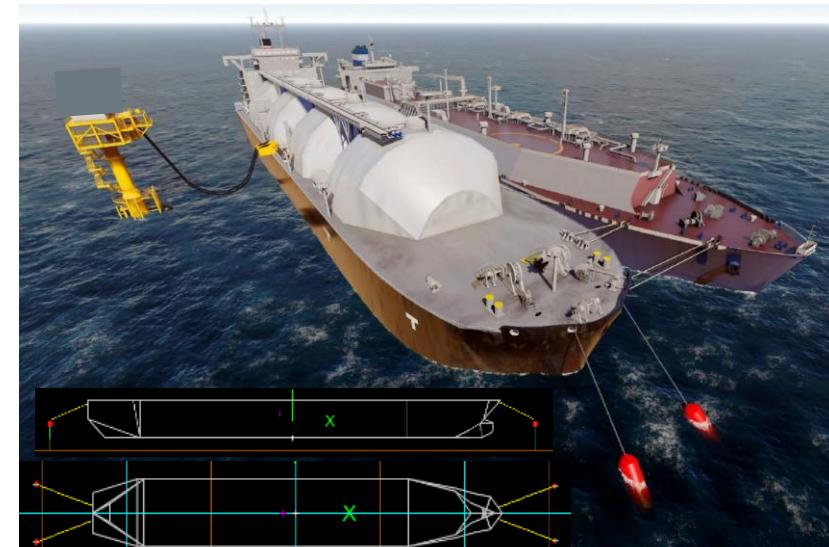
## Approval in Principle

IMODCO / SBM Offshore

FSRU Mooring System for  
Mooring (SFBM)

Short Footprint Buoy

P23-387  
November 20th, 2023





## BENEFITS COMPARED TO TRADITIONAL JETTY:

- Enables New Energy supply to remote or congested areas
- No impact on existing port activities
- Minimizes civil work
- Reduced CAPEX
- Reduced time-to-market (permitting, project execution)
- Reduces maritime traffic constraints
- Reduces environmental footprint



## COMPANIES:

### **SBM OFFSHORE - THE TECHNOLOGY AND PARENT COMPANY.**

- Pioneer in offshore solutions with over 80 World Firsts
- Offshore operations experience (385 yr cumulated over our FPSO fleet)

### **IMODCO - THE CONTRACTOR**

- Agility to execute small-scale EPCI projects
- Over 60 years of experience in Jetty-less solutions as Life cycle partner (EPCI, After Sales)
- Over 470 assets delivered (oil products, LPG, water, slurry)

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