

WindEurope's annual on- and offshore wind energy event

23 - 25 November, Copenhagen

# HONEYMOORING™

A GAME-CHANGING  
DYNAMIC MOORING SOLUTION  
FOR FLOATING WINDFARMS

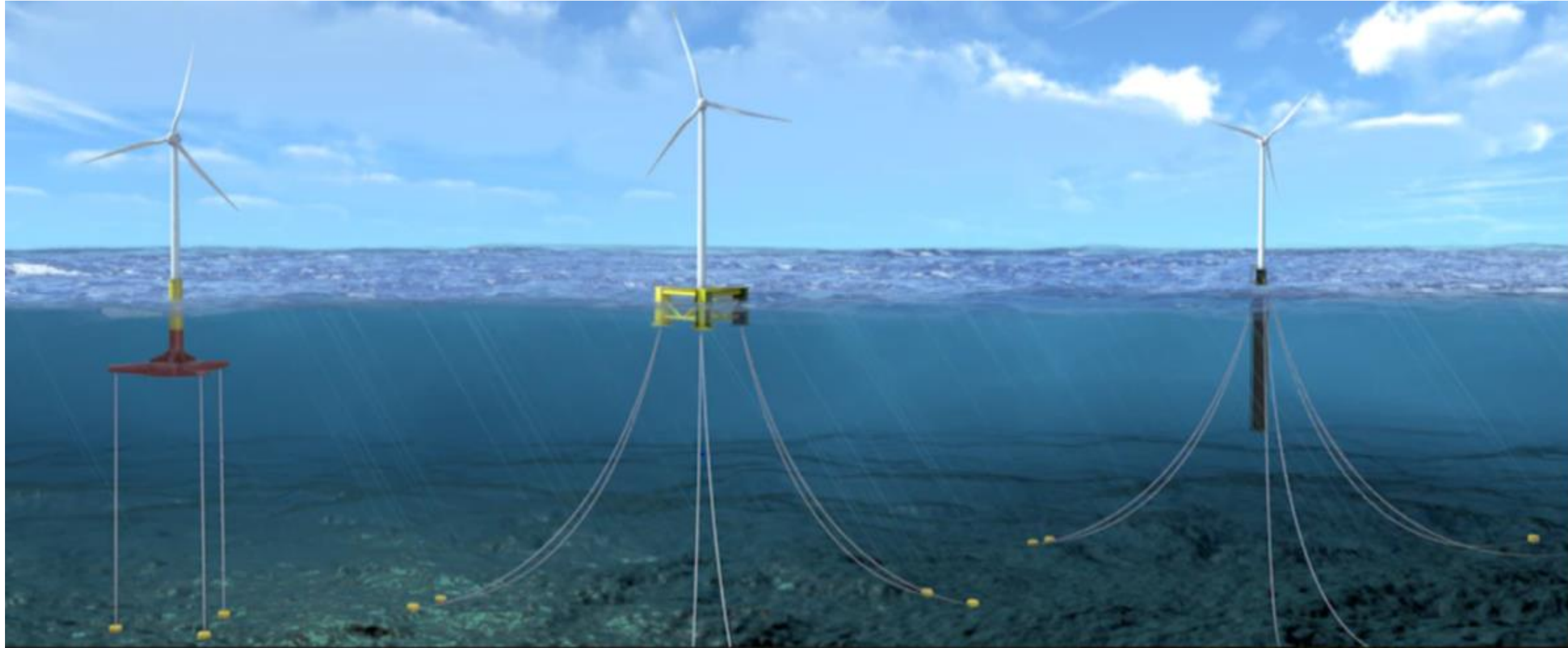
BY THOR VALSØ-JØRGENSEN

Managing Director

SEMAR AS, NORWAY



# MOORING OF OFFSHORE FLOATING WIND FARMS



# CURRENT MOORING CHALLENGES

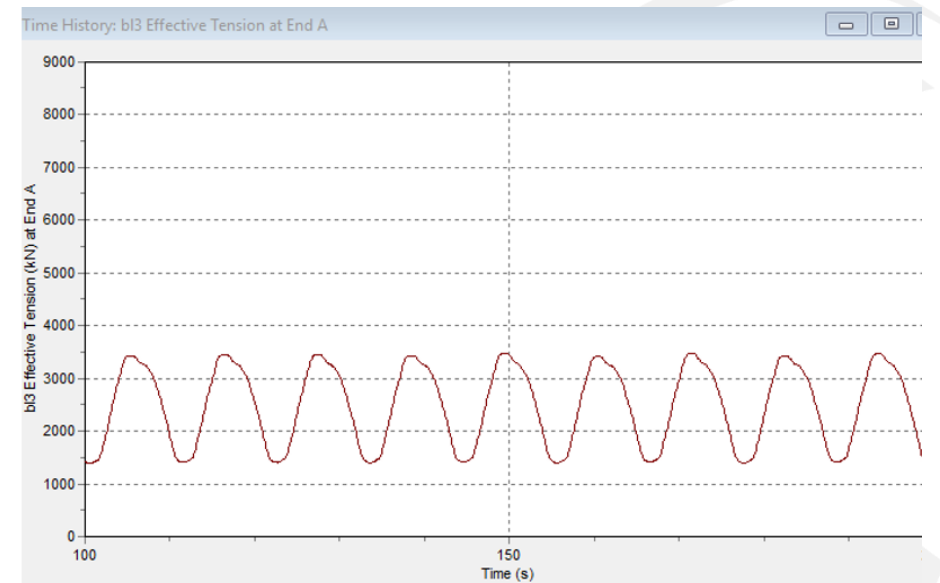
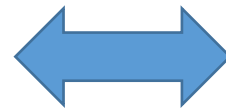
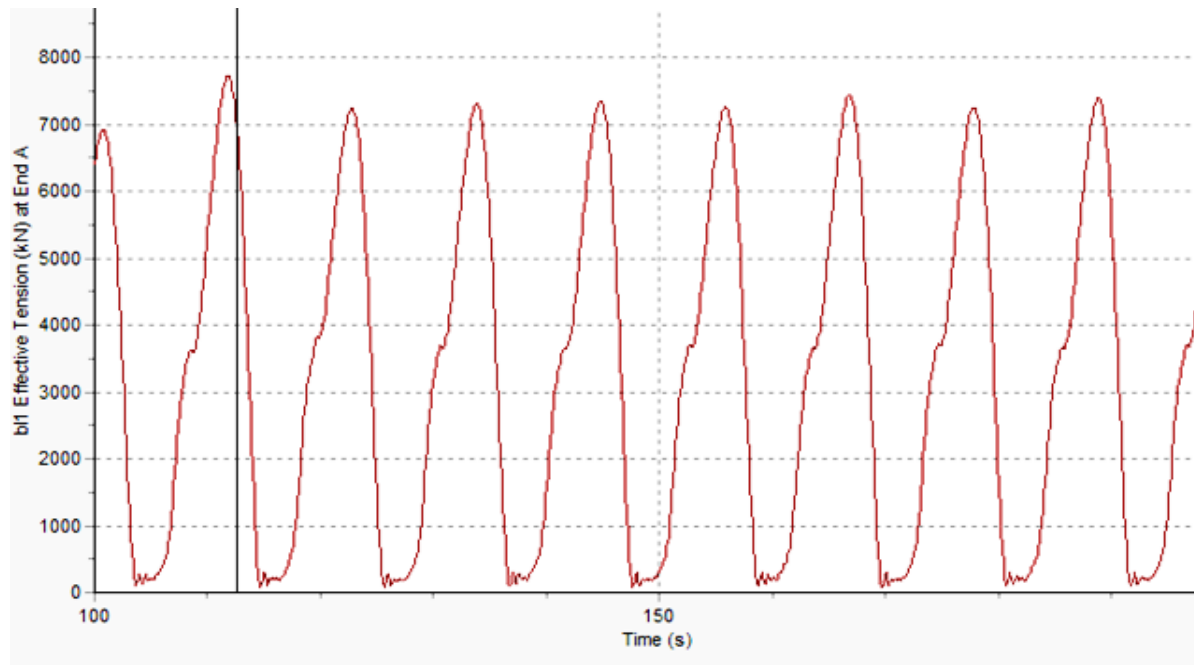
Heavy and high-cost chains



«air is cheaper than steel»?

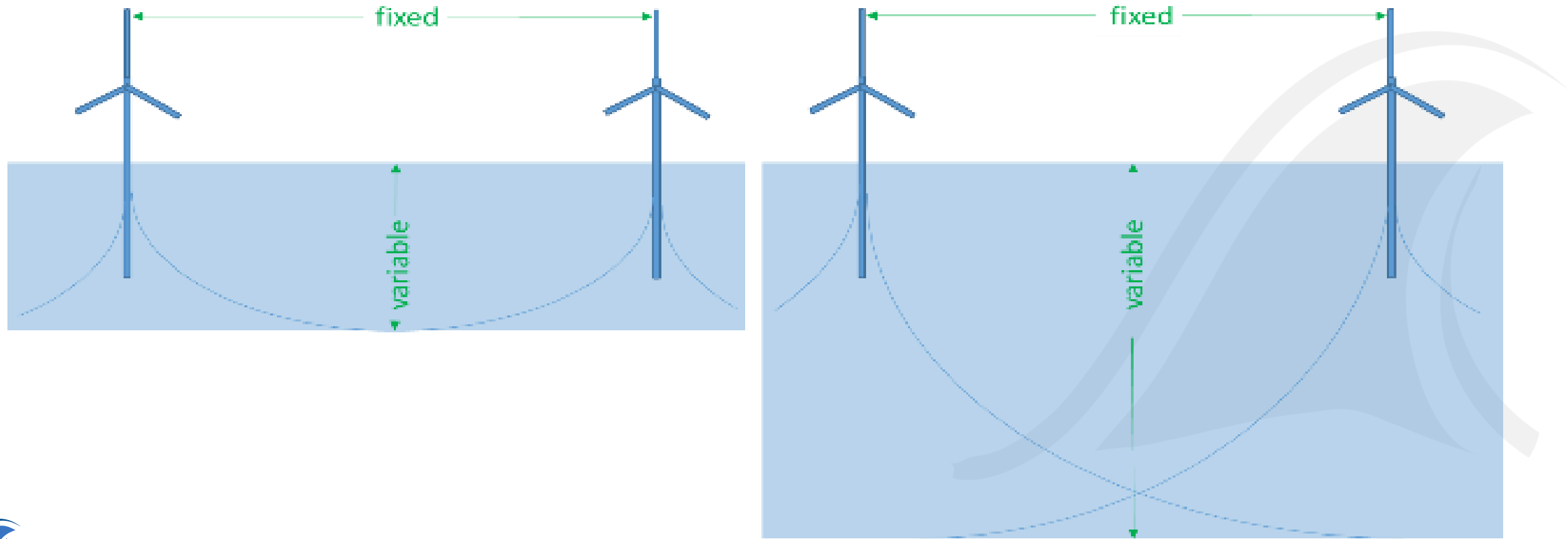
# CURRENT MOORING CHALLENGES

High peak loads (Especially in shallow waters)



# CURRENT MOORING CHALLENGES

Anchor Sharing/ scaling is challenging



# HONEYMOORING PRINCIPLE

## **Honeymooring™ is:**

- › Advanced anchor sharing in a honeycomb configuration
- › Mooring incl. equipment and anchore design
- › Simple installation
- › Efficient Maintenance



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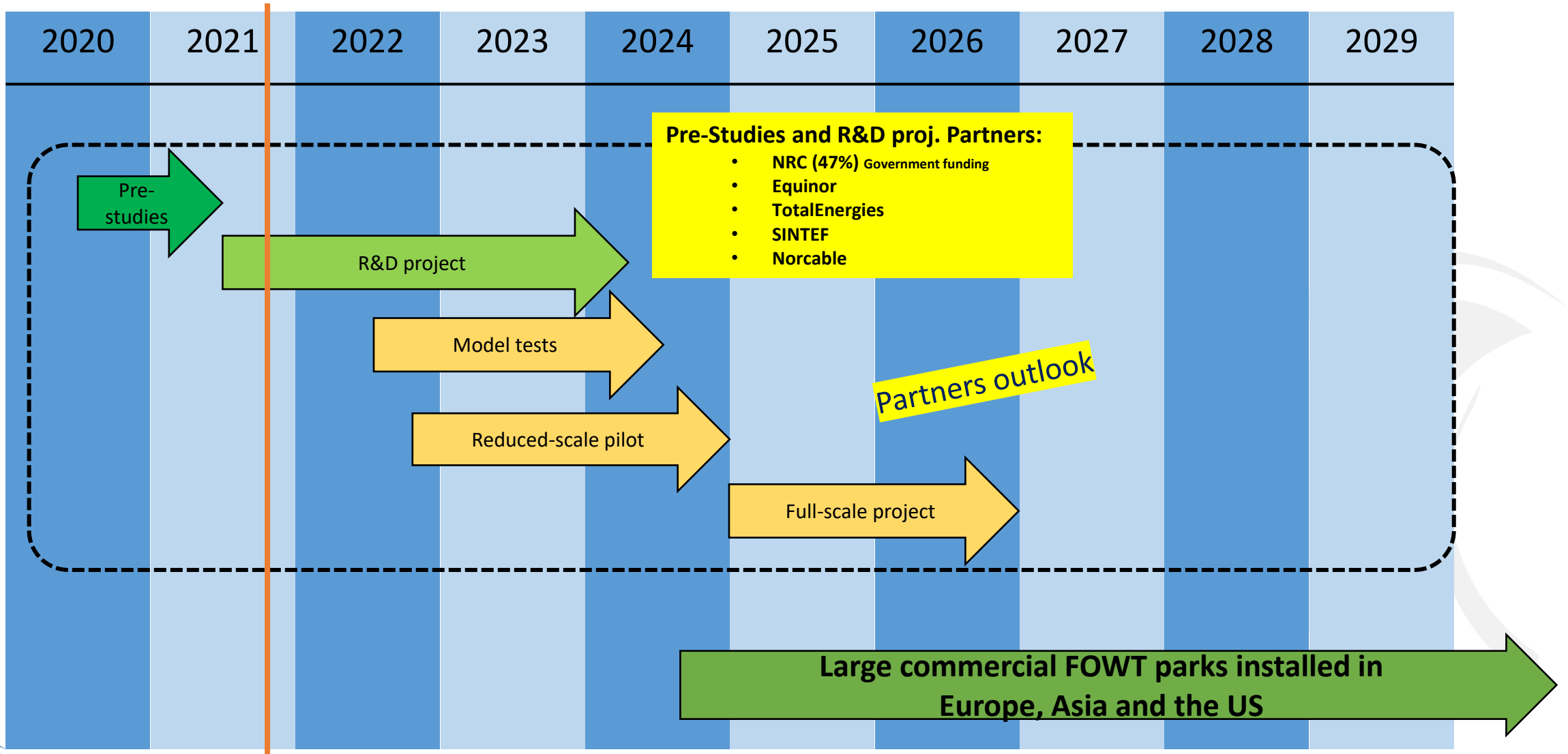
➤ 50% off mooring hardware cost

➤ 10% CAPEX reduction

➤ 300.000 EURO/MW reduced mooring cost



# TECHNOLOGY QUALIFICATION PLAN





# HONEYMOORING™ VISION AND MISSION

## **Vision:**

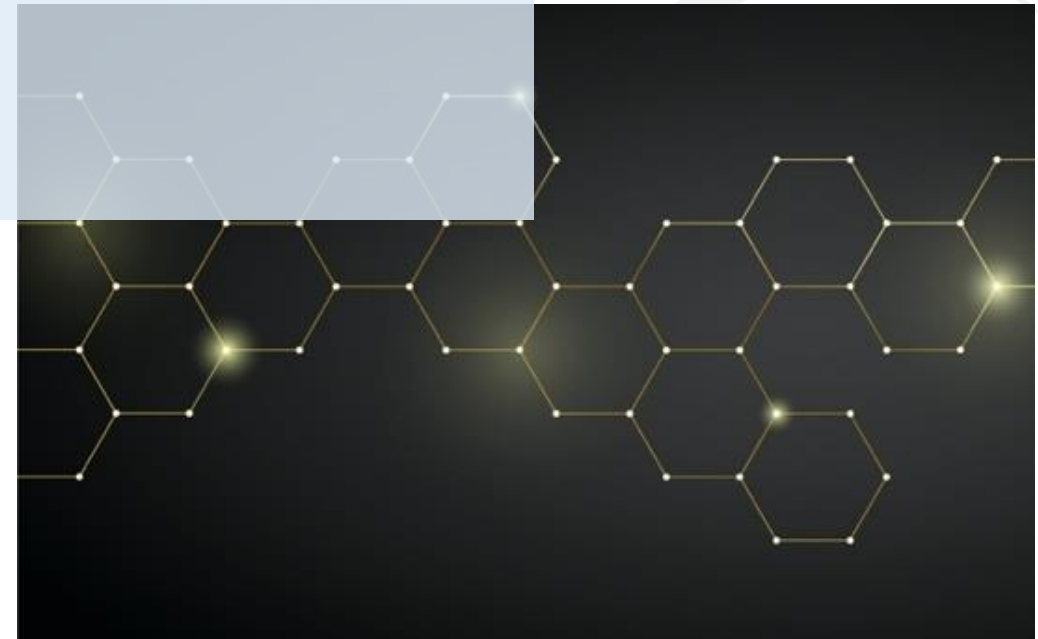
- › Honeymooring™ : No. 1 - preferred mooring solution for offshore floating windfarms – worldwide

## **Mission:**

- › SEMAR is developing costeffective mooring solutions – worldwide
- › Timeline: Market ready 2025
- › Establish centre of excellence for mooring solutions

# SUMMARY HONEYMOORING™

- A game-changing dynamic mooring solution for floating wind farms
- Market ready in 2025
- Partners outlook



# CONTACT INFORMATION

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