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Seasystems★

A part of Scana

Scotland Norway Collaboration Webinar

2021 05 04

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Markets:

- Fish farming
- Offshore wind
- Oil & Gas



History 1990-2020:

- 1990 - 2015 main focus on Oil & Gas
- 2015 Started working with offshore fish farming and floating wind mooring systems
- 2018 awarded turret mooring system contract for Nordlaks offshore fish farm
- 2018 awarded spread mooring contract for Royal Norwegian Salmon
- 2018 – 2019 Engineering contract with Equinor on HyWind Tampen and a Japanese consortium
- 2020 awarded first floating wind contract for Equinor / Kværner Hywind Tampen
- 2020 awarded first LNG contract with DSME / Novatek

MCG/Hitec Marine
Fabrication of Bow Loading Systems
Design and supply of swivels and ball valves



APL Fabrication and engineering services of turret systems
10 turret systems supplied



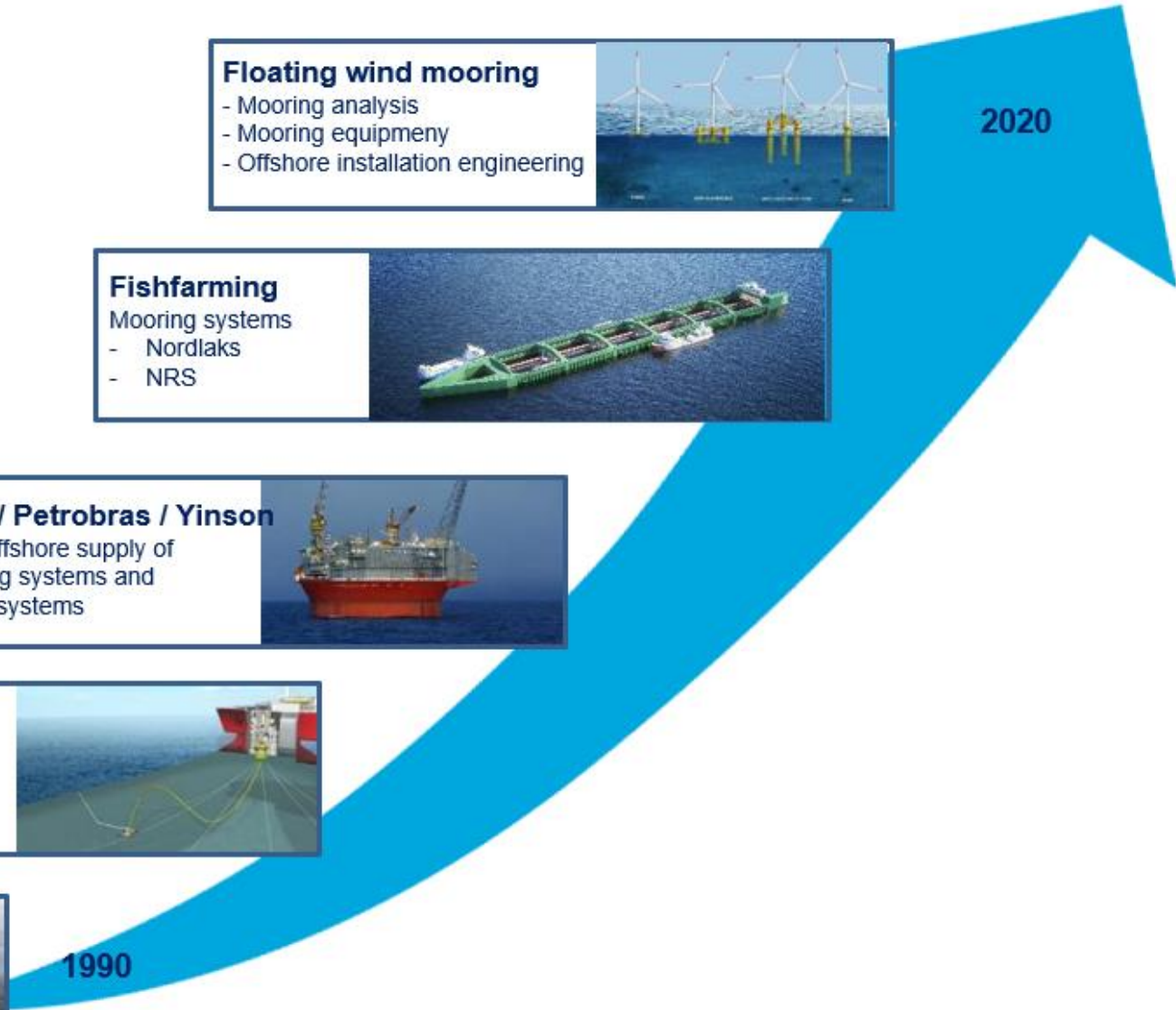
Sevan / Petrobras / Yinson
Scana Offshore supply of Offloading systems and Mooring systems



Fishfarming
Mooring systems
- Nordlaks
- NRS



Floating wind mooring
- Mooring analysis
- Mooring equipment
- Offshore installation engineering



Engineering analysis and design:

- Mooring system
- Turret system
- Shore Power Cable
- Offshore installation

Services and hardware

- Turret hardware supply and yard installation
- Mooring chains and anchors
- Shore Power Cable
- Offshore installation





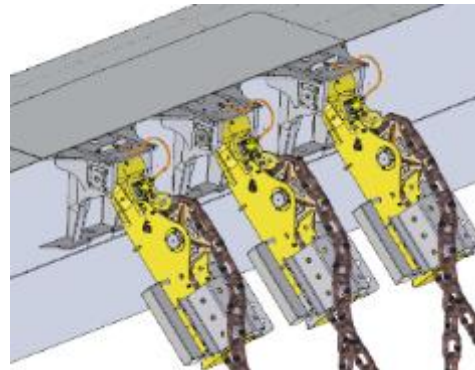
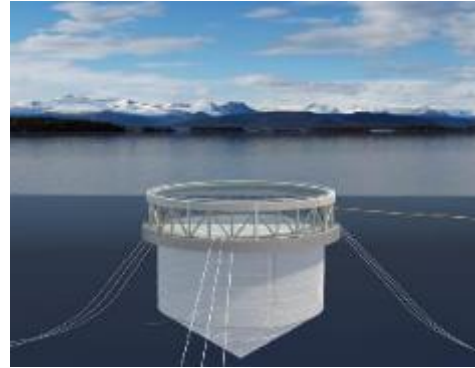
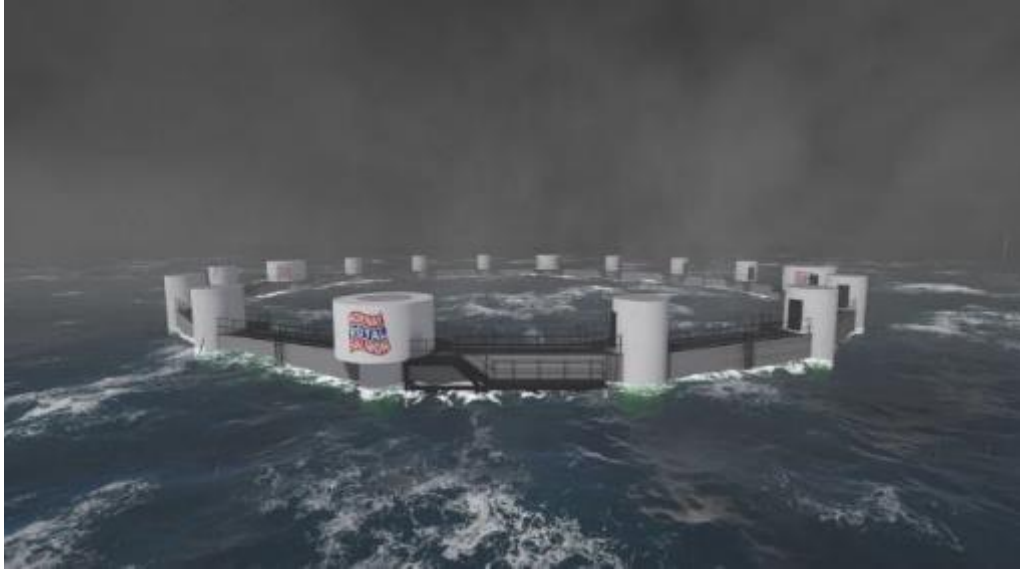
Seasystems scope of services

- All procedures for prelay of mooring lines, anchors, umbilical, offshore tow and hook-up
- Specification of requirements for installation vessels and tugs
- Management of prelay, offshore tow and hook-up
- Company representative onboard during all offshore operations



Fairlead Chain Stoppers

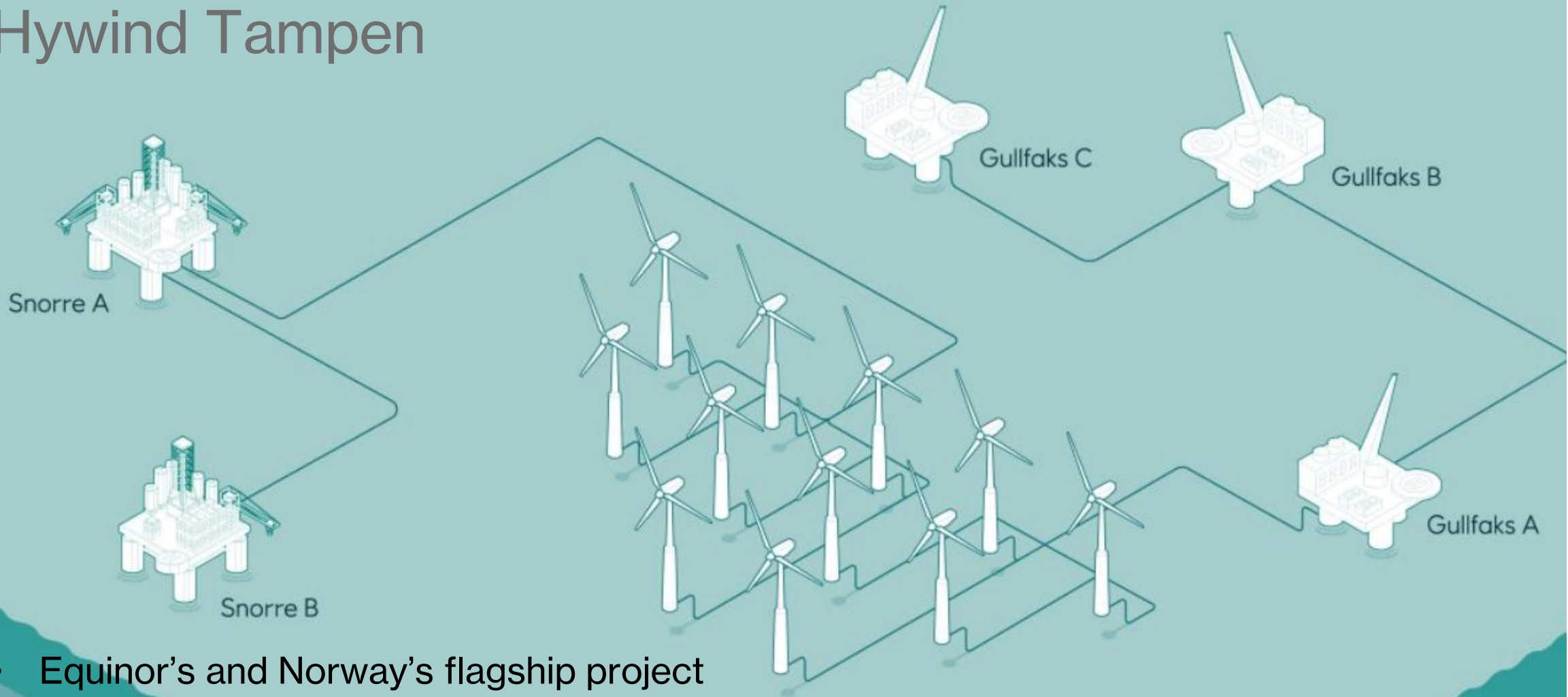
- Aker Solutions / Norway Royal Salmon
- 2 off Arctic offshore fish farms 70 meters in diameter
- 95 mm R4 mooring chain
- 18 units supplied Desember 2019
- Offshore installation autumn 2021



Fairlead Chain Stoppers

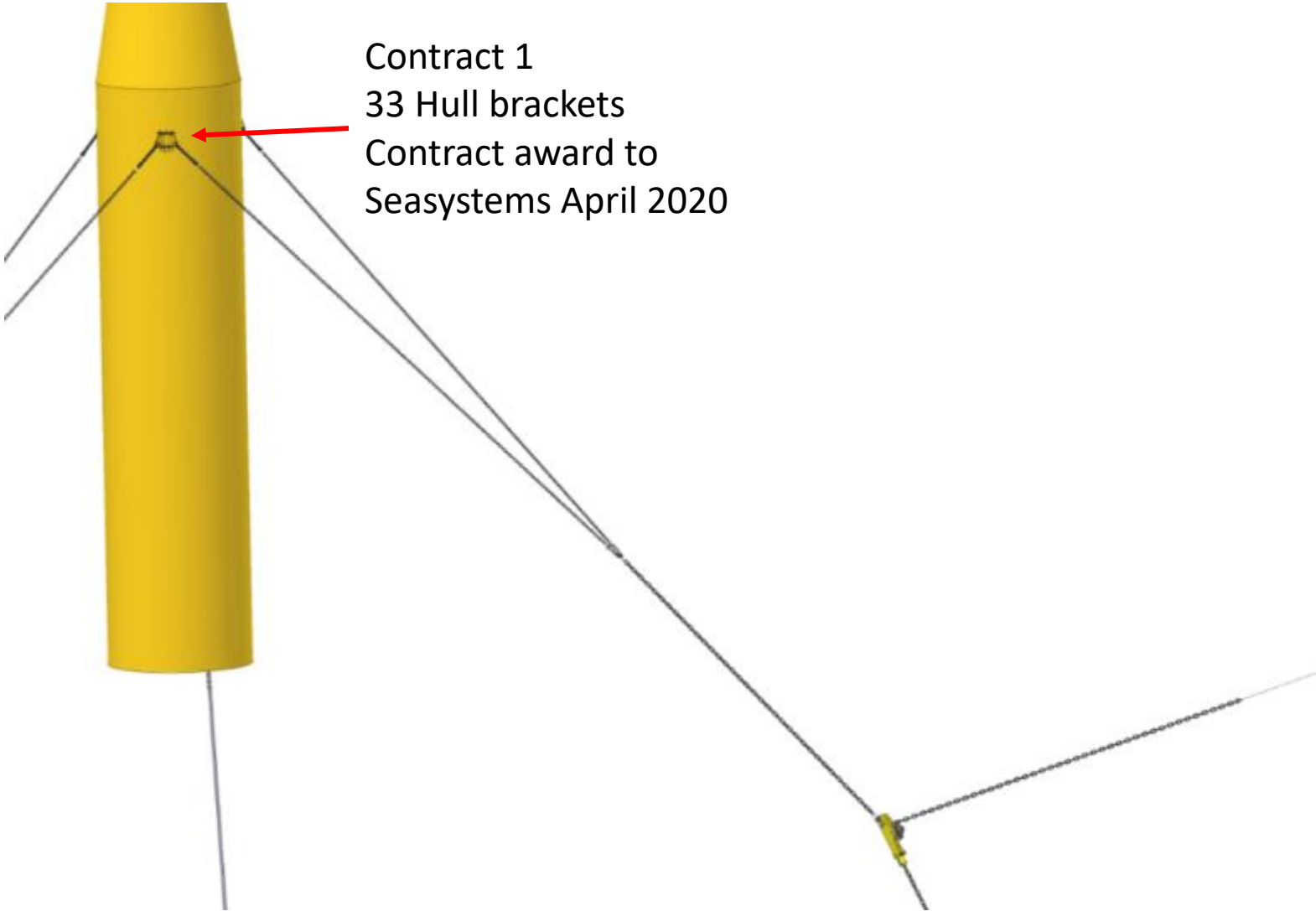


Hywind Tampen



- Equinor's and Norway's flagship project
- Seasystems sponsored by Equinor in 2 phases for technology qualification
- Extremely important project for Norway's future role in the offshore industry

Hywind Tampen



Contract 1
33 Hull brackets
Contract award to
Seasystems April 2020

Hywind Tampen Hull Brackets

- 33 hull brackets
- 66 uni-joints for bridle
- MBL 6000 kN
- ROV winch and bridle replacement tool
- Contract awarded April 2020



Collaboration

- Seasystems are open for suggestions with regard to collaboration
 - Companies with complementary products or services
 - Fabrication companies
 - Engineering companies

Thank you