





#### **Versatile assets**

A dynamic fleet of 40+ offshore support vessels and crews

9 SUBSEA SUPPORT VESSELS

30
ANCHOR HANDLING TUG SUPPLY VESSELS

CRANED ANCHOR HANDLING VESSELS









- 23 vessels divested
- 10 newbuilds delivered
- Average fleet age reduced to <10 years</li>
- 44-vessel modern fleet



- 13% reduction in CO2 emissions since 2016
- Target for 5% reduction in fleet fuel consumption





# **Culzean towing and mooring project**

One contract covering project management, engineering and offshore execution





#### How did we do it?







## REDUCING INTERFACES

Increasing performance by limiting unnecessary interfaces

### **COLLABORATION**

Encouraging a collaborative approach and building the A-team

## CALL ON EXPERIENCE

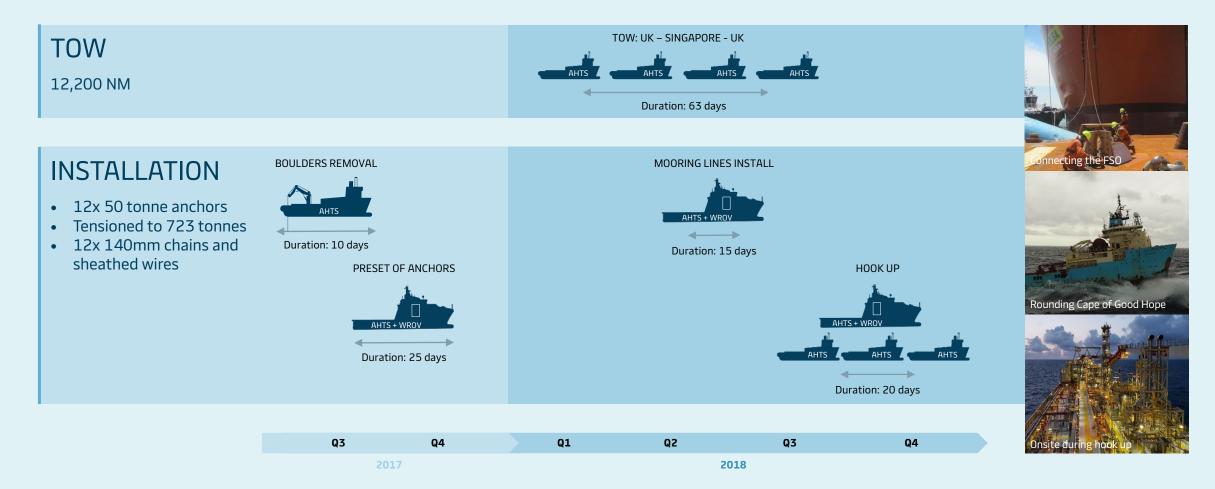
Maximising benefits drawn from user experience





## **Culzean project timeline**

Employing in-house assets to eliminate schedule risks





### The right vessels at the right time

Utilising the most extensive fleet of large AHTS vessels among solutions providers

AHTS	Class	No.	<b>Build Year</b>	<b>Bollard Pull</b>	ВНР	Deck	Winch
	M	6	2019	260 t	23,000	924 m²	450 t
	С	2	2014	180 t	15,000	545 m <sup>2</sup>	400 t
	L	6	2010	260 t	23,500	810 m <sup>2</sup>	500 t
	Т	10	2009	170 t	13,800	600 m <sup>2</sup>	400 t
	D	2	2006	220 t	18,200	755 m <sup>2</sup>	400 t
	А	2	2004	260 t	23,500	803 m <sup>2</sup>	625 t
	Н	2	2002	190 t	17,500	537 m <sup>2</sup>	500 t

ASS	Class	No.	Build Year	Accom.	Helideck	Deck	Crane	ROVs
	I	4	2018	120	Υ	1850 m²	400 t	2
	F	1	2015	120	Υ	1120 m²	250 t	2
	N	2	2009	60	Υ	775 m²	200 t	2
	Α	3	2003	86	N	770 m²	250 t	2
	Cable	2	2000, '16	68, 90	Υ	1200, 2308 m²	30, 50 t	0

Four L-class vessels used during the Culzean project



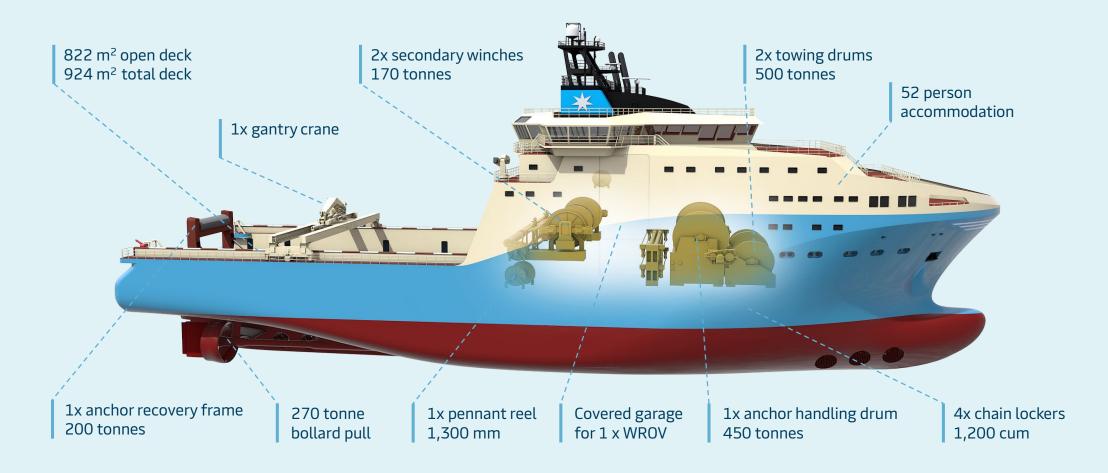






### **M-class AHTS**

Designed for increased fuel efficiency, capacity and safety

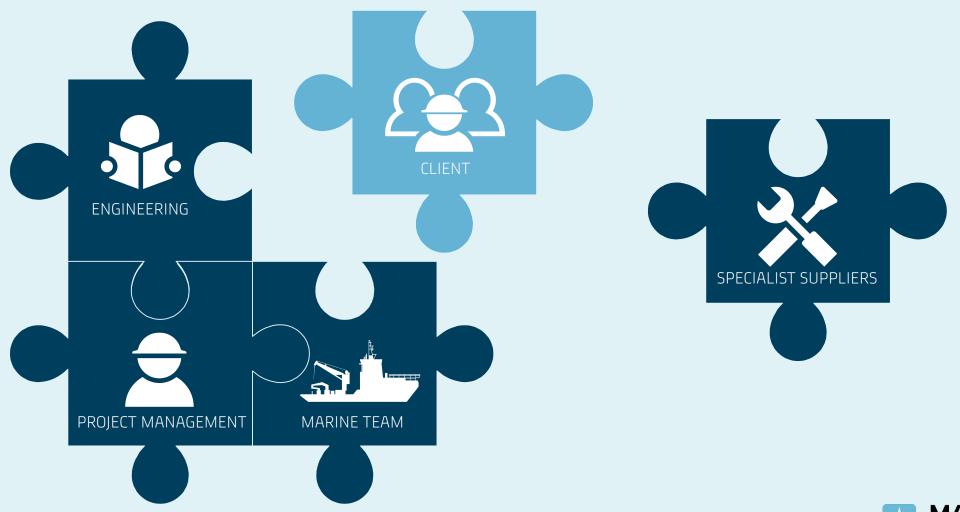






# **Building the A-team**

Needs to begin as soon as the contract is signed to create alignment





## Early engagement

Ensures the solution design and methodology is optimised from the marine perspective





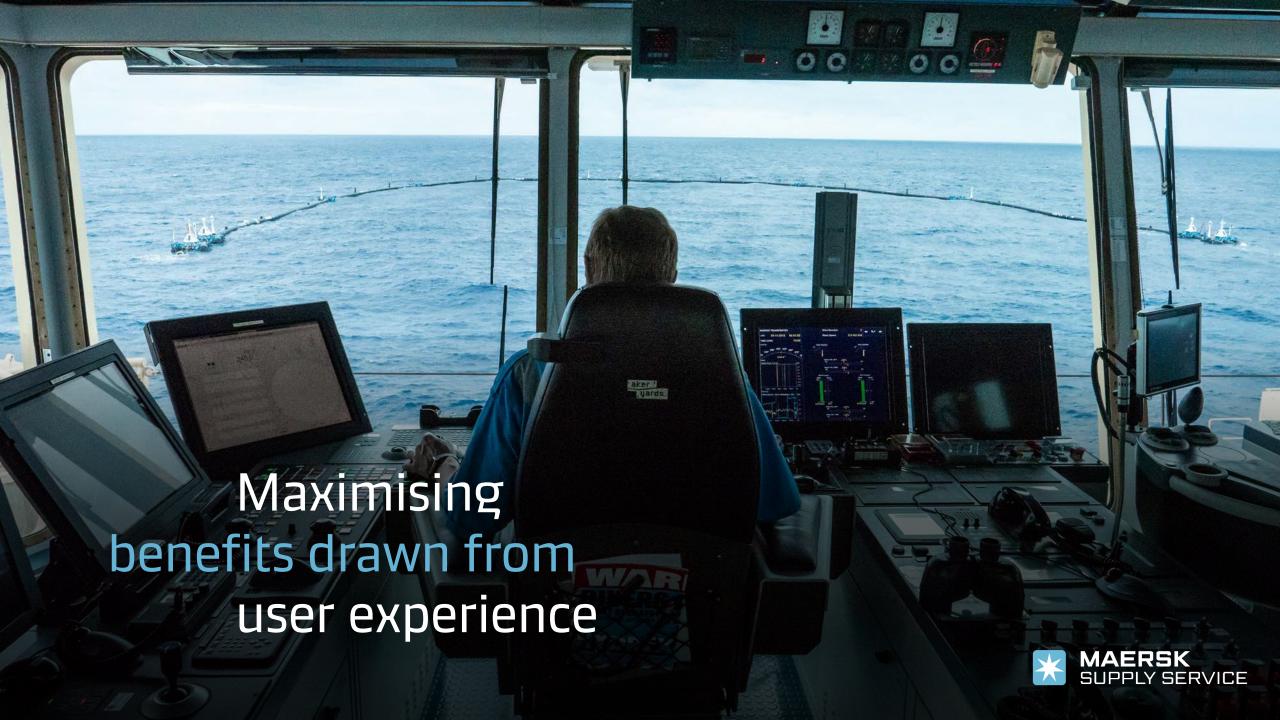
# **Offshore synergies**

Open collaboration to reduce operational risks



Using vessels owned and operated by the same provider means the offshore execution team has in-depth knowledge of each other's capabilities, and the technical capabilities of the vessels involved.





## Leveraging experience

50 years track record with towing and mooring installation at the core of our operations

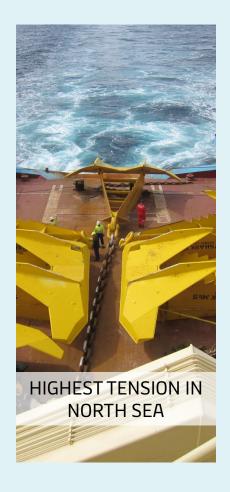


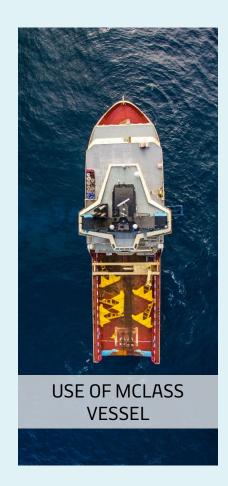




# Marrying theory and practical experience

#### Finding solutions together













### What are the criteria for success?

We all need to be onboard



Select great professionals



Create mutual trust



Align interests



Foster cross-functional relationships







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