



# Remota business model

SubOps 2023 – Trond Notland



# Remota was introduced June 2022

Remota Holding AS



Østensjø Rederi



DEEPOCEAN

## Remota AS

Remote-as-a-Service



## USV AS

Unmanned Surface Vessel





# SUSTAINABLE DEVELOPMENT GOALS



# Challenges



Manned vessels represent the biggest cost block through inefficient use of time & people.



We face a safety risk & inefficiencies through human interaction in offshore operations.



Manned vessels are responsible of 95% of the total CO2 footprint of the offshore industry.

## OUR VISION



We enable the sustainable green energy shift by taking onshore control of offshore operations.

Become the leading remote operations centre for activity in the ocean space.

# OUR SERVICES



REMOTA IS

**NOT** A SHIPOWNER

Remota will be an operator of unmanned surface vessels (USV) and facilitate remote monitoring and control of vessels.

REMOTA IS

**NOT** AN OWNER OF  
MISSION EQUIPMENT

Remota will enable and facilitate remote operation  
of mission equipment.





# REMOTA IS **NOT** A SUBSEA CONTRACTOR

Remota will be a service provider to subsea contractors.

# Our services



## Remote -as-a-service

Providing technology enabling our customers to become remote ready.



## Launch service

Providing technology and all-inclusive facilities for on-demand operation.



## Monitoring -as-a-service

Enabling human in the loop for semi-autonomous and autonomous operations.

# Our services



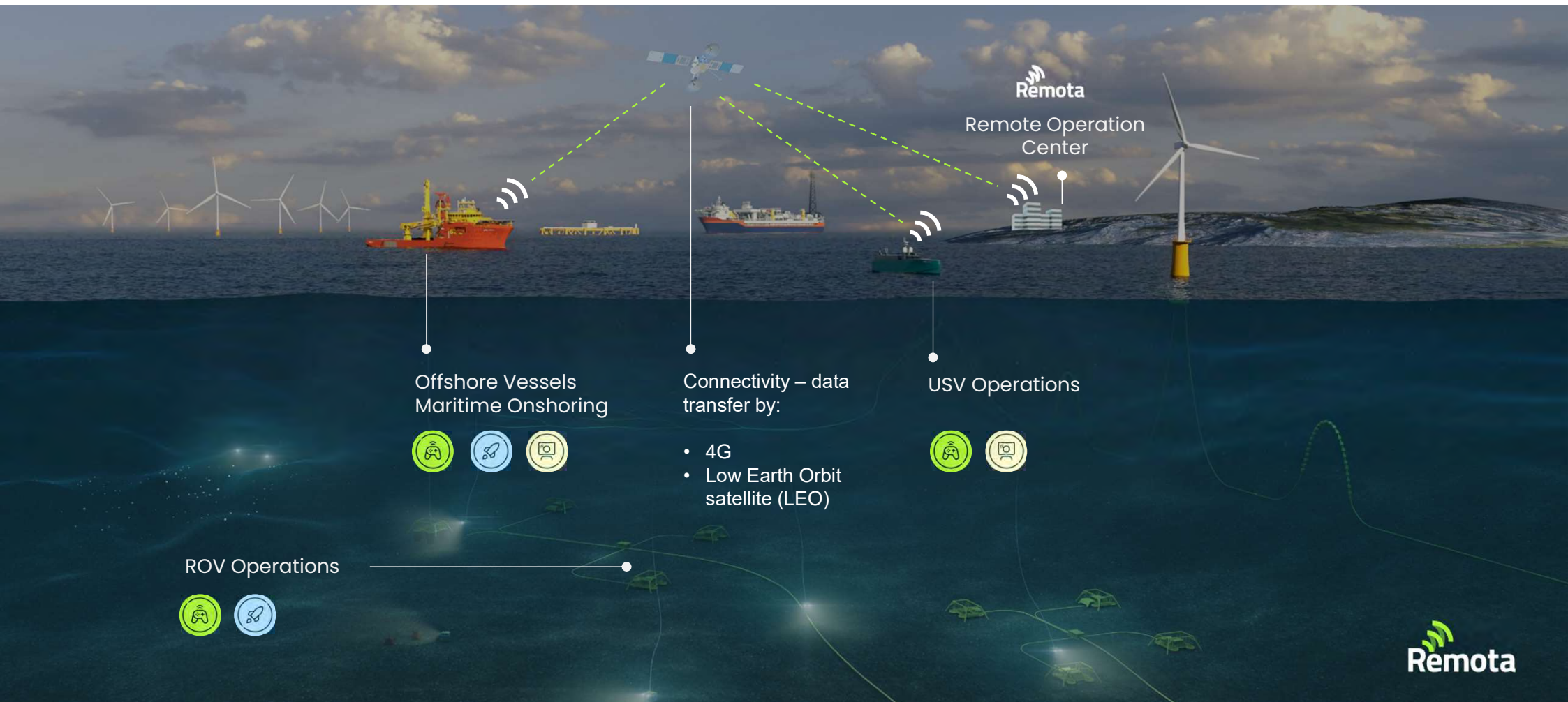
Remote-as-a-service



Launch service



Monitoring-as-a-service



# Benefits



**Significantly reducing operational costs** for people and hardware assets



**Safety increased drastically** due to less human presence offshore

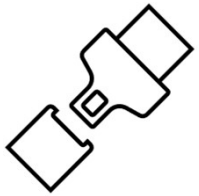


**>90% reduction of emissions** by remote steering & monitoring of USVs

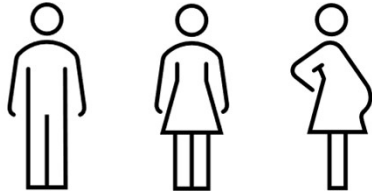


**Automation of >30% of manual tasks** therefore realizing efficiency

# Benefits



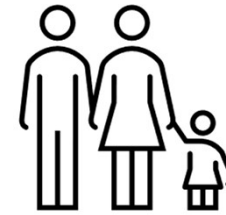
Safe workplace



Gender equality



Physical equality



Family friendly



Next generation focused



UN compliant

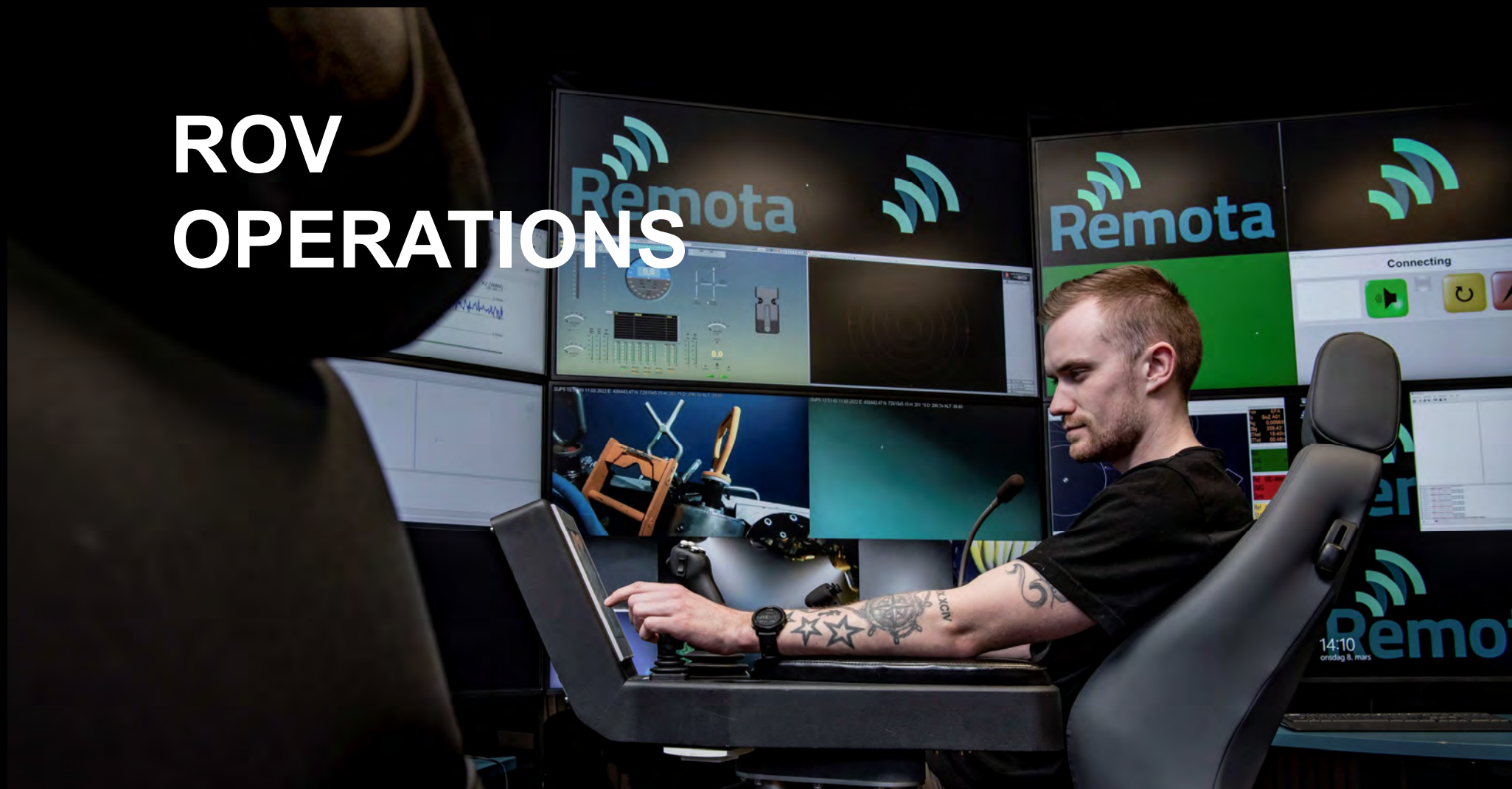


# ROV OPERATIONS





# ROV OPERATIONS



# USV







# USV navigation and WROV operation integrated in one ROC

Remota will also be operator of USV and  
offer ship management to clients.



**>90%**

Reduced emissions compared to conventional vessels.







# Remota JOINT OPERATIONS CENTER







Haugesund  
kommune



NORLED



Remota



DEEPOCEAN



Østensjø Rederi



SOLSTAD OFFSHORE



# PUBLIC TRANSPORT







**NOR-  
Shipping  
2023**









Autonomous future

# The future of urban mobility

Autonomous city ferries with  
human-in-the-loop

## City ferries



Launch service



Monitoring-as-a-service





# OFFSHORE WIND





# Haugalandet blir episenteret for ny forskning: - En gavepakke



SAMARBEID: Både klima- og miljøminister, Espen Barth Elde, og ordfører i Haugesund, Arne-Christian Mohn, er meget fornøyde med å bruke Haugalandet som forskningsarena for flytende havvind. Foto: Petter Fredheim



# ROC enabling cost effective solutions for offshore wind

Remota services will reduce cost during the different phases of offshore wind development and operation.

# Services Offshore Wind



## Survey/mapping

Seabed mapping /  
bathymetric surveys (USV  
and ROV)

## Installation

Guard vessel (USV)

Installation assistance, touch  
down monitoring etc. (USV  
and ROV)

Installation main activities  
(Lean crewed vessels)

## Operation

Subsea inspection and light  
repair (USV and ROV)

Aerial inspection (aerial  
drones)

Operations monitoring (ROC)

