



Safe Autonomy with human-in-the- loop

16th November 2023

Sveinung Soma, CEO Remota



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



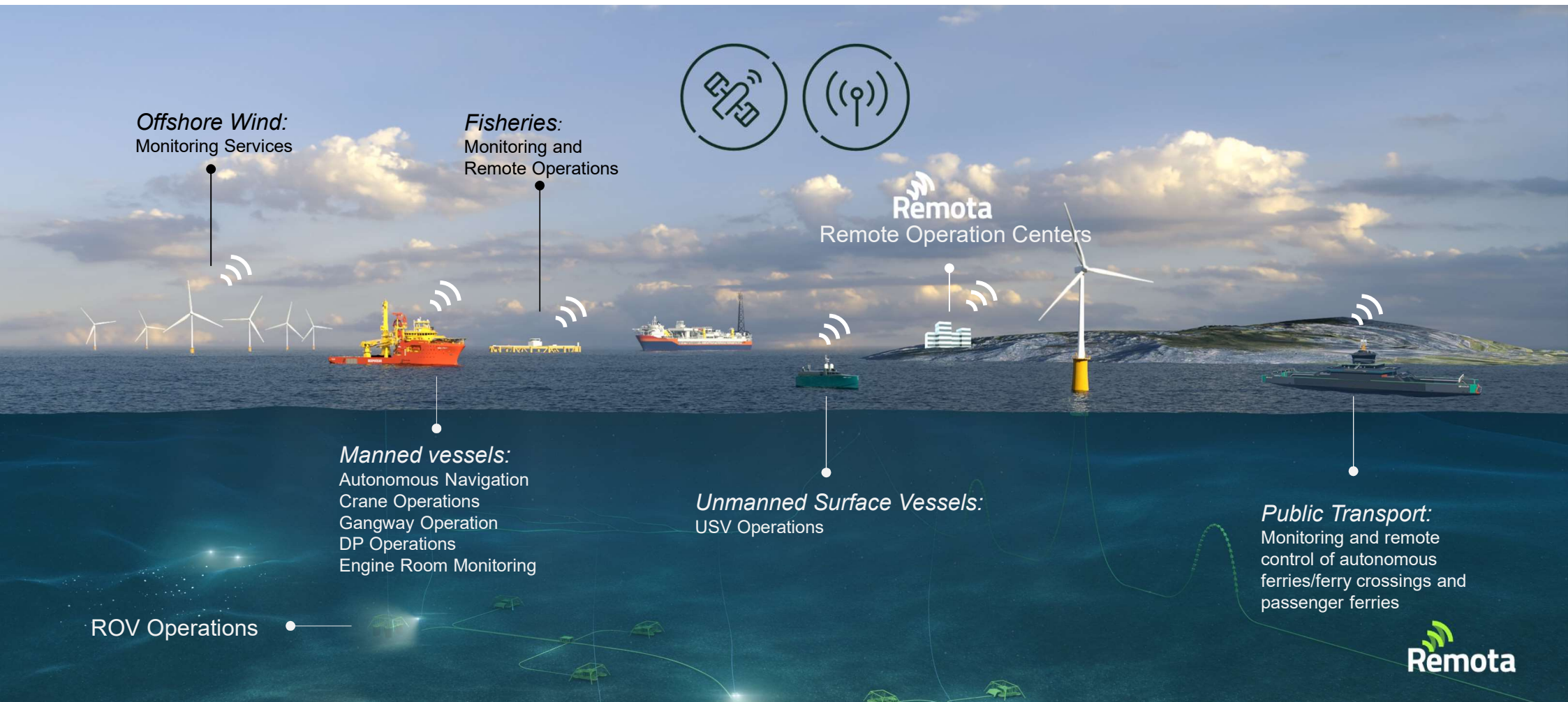
Launch service



Remote-as-a-service



Monitoring-as-a-service



Our services



Launch service

Providing technology enabling our customers to become remote ready.



Remote -as-a-service

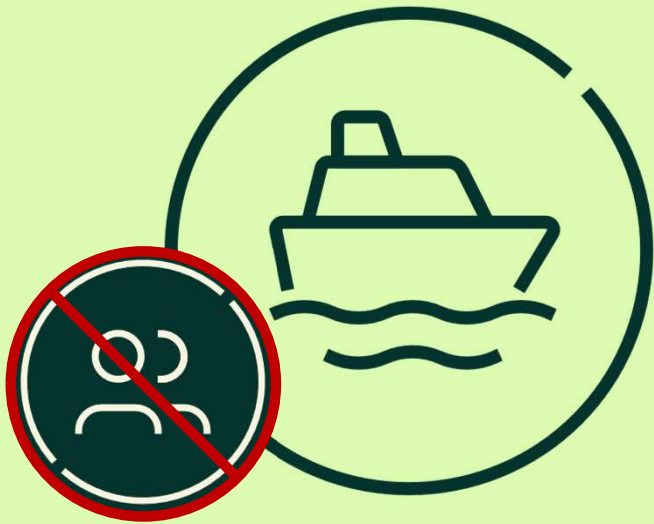
Providing technology and all-inclusive facilities for on-demand operation.



Monitoring -as-a-service

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

Unmanned Vessels



Key challenges

- Safety and Security
- Collision Avoidance
- Cybersecurity
- Connectivity and Communication
- Human Interaction
- Public Acceptance
- Cost

Human-in-the-loop



Fleet Management

Safety and Security

// Monitor, alert, advise

Collision Avoidance

// Advise on route optimization

Cybersecurity

// Security Operations Center (SOC)*

Connectivity and Communication

// Network Operations Center (NOC)*

Human Interaction

// Host, information, updates, dispatch

Public Acceptance

// Human presence, reassurance

Cost

// Fleet and scale

*Shared resources for all Remota services

Trust in automation



Viktige tema:

«Ansvarsfordeling»

- Repetitive og «selvfølgelige» oppgaver
- Krevende beslutninger

Hand-over

- MRC
- Trygg tilstand
- Gjenoppta

Operatørstasjoner

- Operatør i fokus
- Situasjonsforståelse
- Mengde informasjon

Bemanning

- Navigator vs. «gamer»
- Vilje/evne
- Utsjekk



Sveinung Soma

CEO Remota

sveinung.soma@remota.no