

Bridging O&G to Green Energy

-Semco's 3 gates to sustainability



About Semco Maritime



More than 40 years
in the offshore
industry



Global presence:
Denmark, Norway,
UK, Singapore, US and
Germany



Your specialist in engineering,
design, fabrication, installation, service
and maintenance of offshore assets.



1,650
dedicated people

Third-party certified:

ISO 3840
ISO 9001
ISO 14001
OHSAS 18001
EN 1090
Irata
PQAN certificate

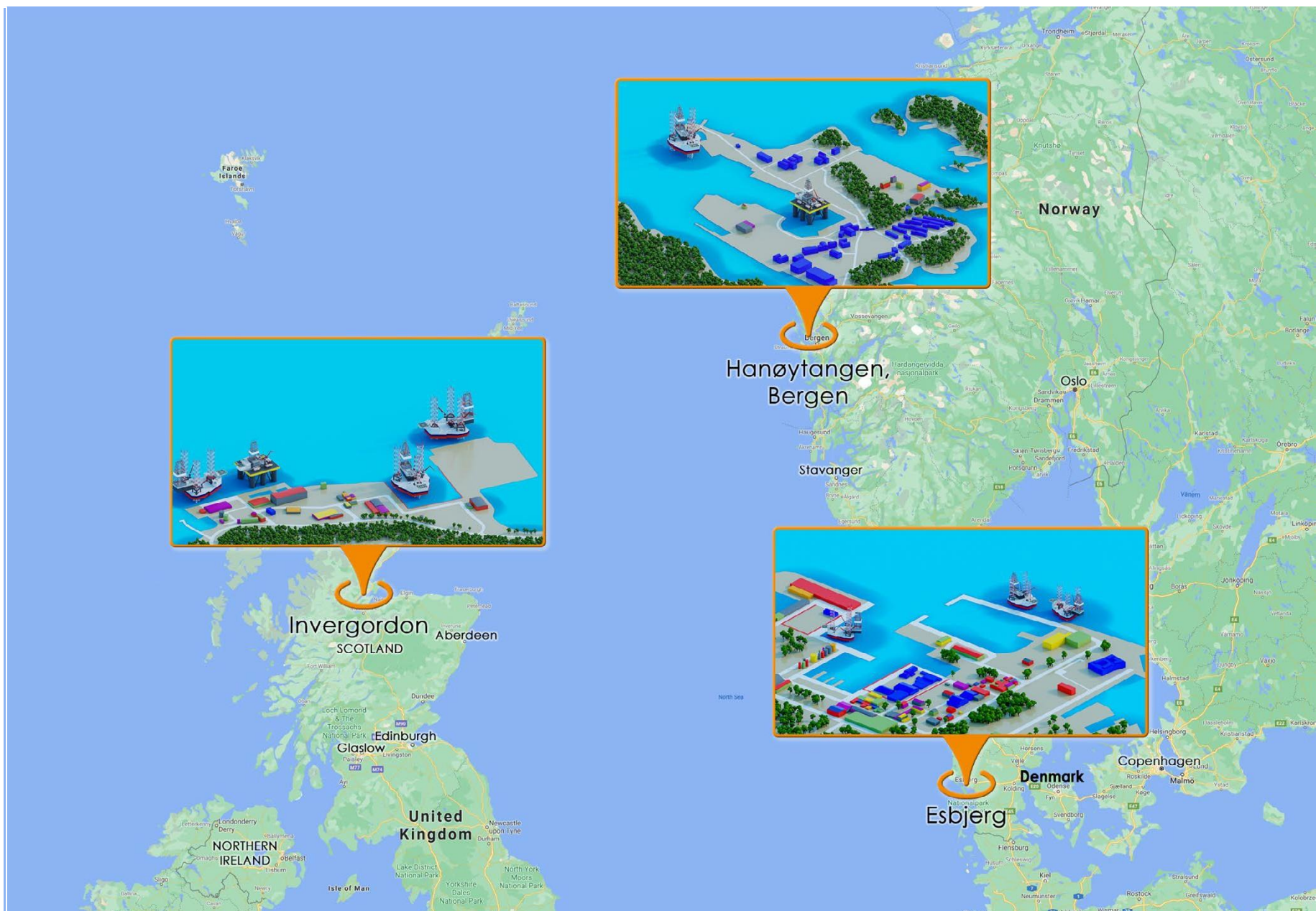
Assessments:

Achilles JQS
Achilles Sellihca
Achilles FPAL
Utilities NCE
UVDB
FPAL

Rig & Marine

Any
Maintenance and
Modifications on
Mobile Offshore
Units

Yardstay and
Offshore



Hanøytangen



Operation Support

More than 1,000 people in operation across Norway, Denmark and UK

We served more than



10 offshore wind farms



50 ships



30 rigs



60 platforms



Motivation

We want to play an important role in meeting the world's growing energy demand in a safe and sustainable way.

Markets



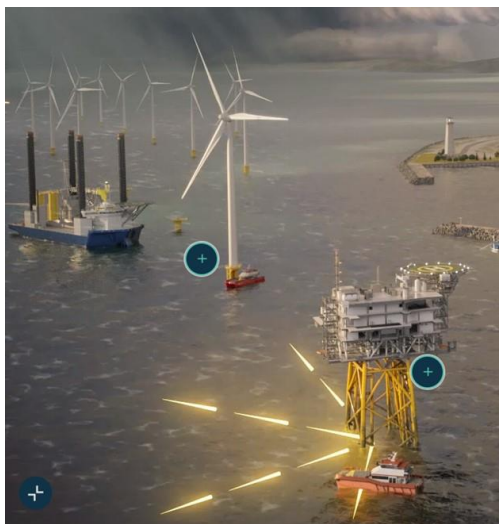
Renewables

Oil & Gas

Group long-term targets 2023

- Revenue split 50/50 between Renewables and Oil & Gas
- 20% of revenue shall come from Service activities
- EBITDA margin of 6%

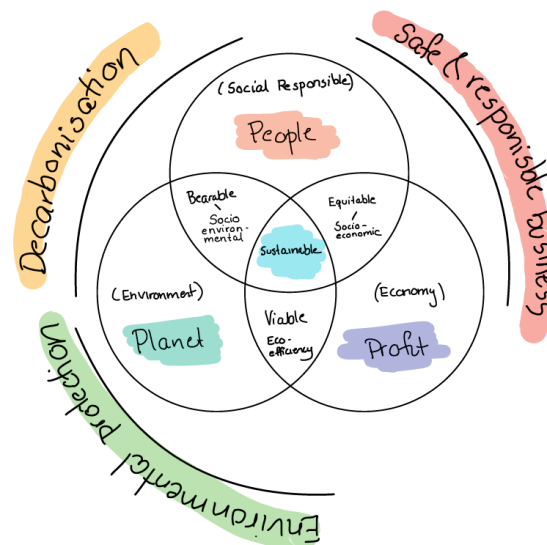
Semco's 3 gates to sustainability



1. Transition to Renewables



2. Green solutions for the MOU business



3. Semco's sustainability strategy

1. Transition to Renewables



2023 Target: Revenue split 50/50
between Renewables and Oil & Gas

Culzean EIT Hook-up and Commissioning

THE PROJECT

Customer: Maersk Oil North Sea UK Limited

Location: The UK North Sea

Period: 2017-2019

Activities:



THE SOLUTION

Semco Maritime is participating in the EIT hook-up and commissioning (HUC) onshore preparation and offshore HUC execution of the new Maersk Oil UK gas field. The Culzean field is the largest North Sea gas field discovered in the past decade.



Floatel Victory – Modifications and 5-yearly SPS

THE PROJECT

Customer: Floatel International AB

Location: Hanøytangen, Norway

Period: 2018

Activities:

Engineering

Procurement

Construction

Installation

THE SOLUTION

The Floatel Victory accommodation rig was dry docked at our facilities in Hanøytangen, Norway, for about 3 months to undergo a 5-yearly special periodic survey (SPS) and various modifications prior to contract work for Maersk Oil in the UK sector of the North Sea.





Bringing Energy to Shore

Safeguarding People and Assets





Mayflower Offshore Substation

THE PROJECT

Customer: Mayflower Wind Energy LLC (JV between Shell & EDP Renewables)

Location: Massachusetts, USA

Period: 2020-2024

Topside weight: 4700 tons (estimated)

Capacity: 1200 MW

THE SOLUTION

A full EPC contract including electrical and mechanical engineering, procurement, construction and commissioning (onshore and offshore) of all E&I for the Mayflower Wind Farm offshore substation.





Vineyard Wind Electrical Service Platform

THE PROJECT

Customer: Bladt Industries A/S

End customer: Vineyard WIND LLC

Location: The Atlantic Ocean, off the coast of Massachusetts

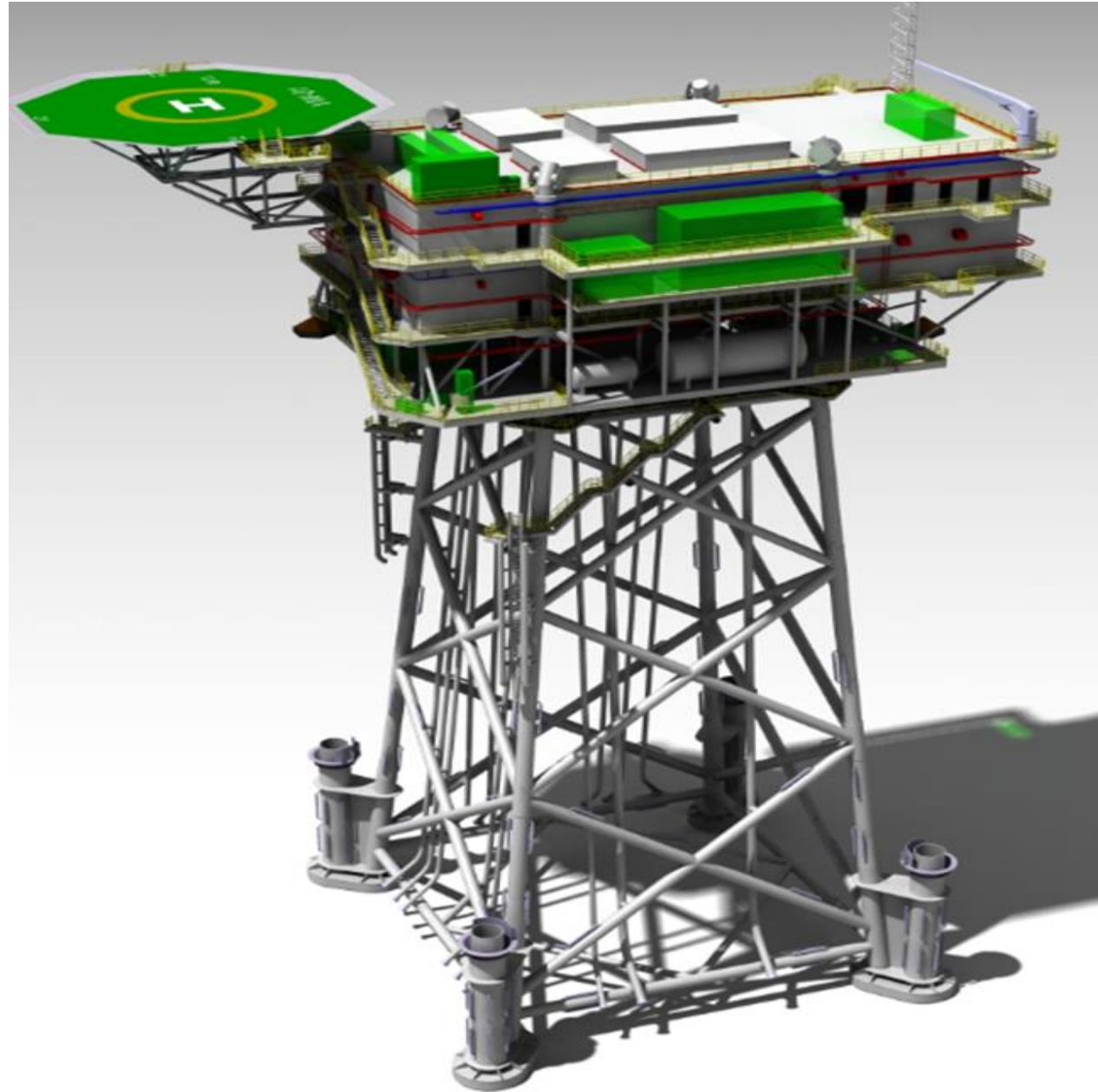
Period: 2018-2021

Topside weight: 3000 tons

Capacity: 800 MW

THE SOLUTION

A full EPC contract including E&I, design, construction and commissioning (onshore and offshore) regarding the Vineyard wind farm substation. The wind farm will be the first offshore wind farm in the USA.



Products and Technology - Telecommunication

Multipurpose Access Panel



LAN/WAN/Wi-Fi- Cisco



Microwave Radio
Link System



SemSound IP – PA/GA



SemTETRA/DMR



VHF – FM/AM Radio
Systems



Multipurpose Access Panel



Entertainment System



VSAT



Environmental
Monitoring System



CCTV Systems



Wind Carriers



2. Green solutions for the MOU business



Ballast Water Treatment System

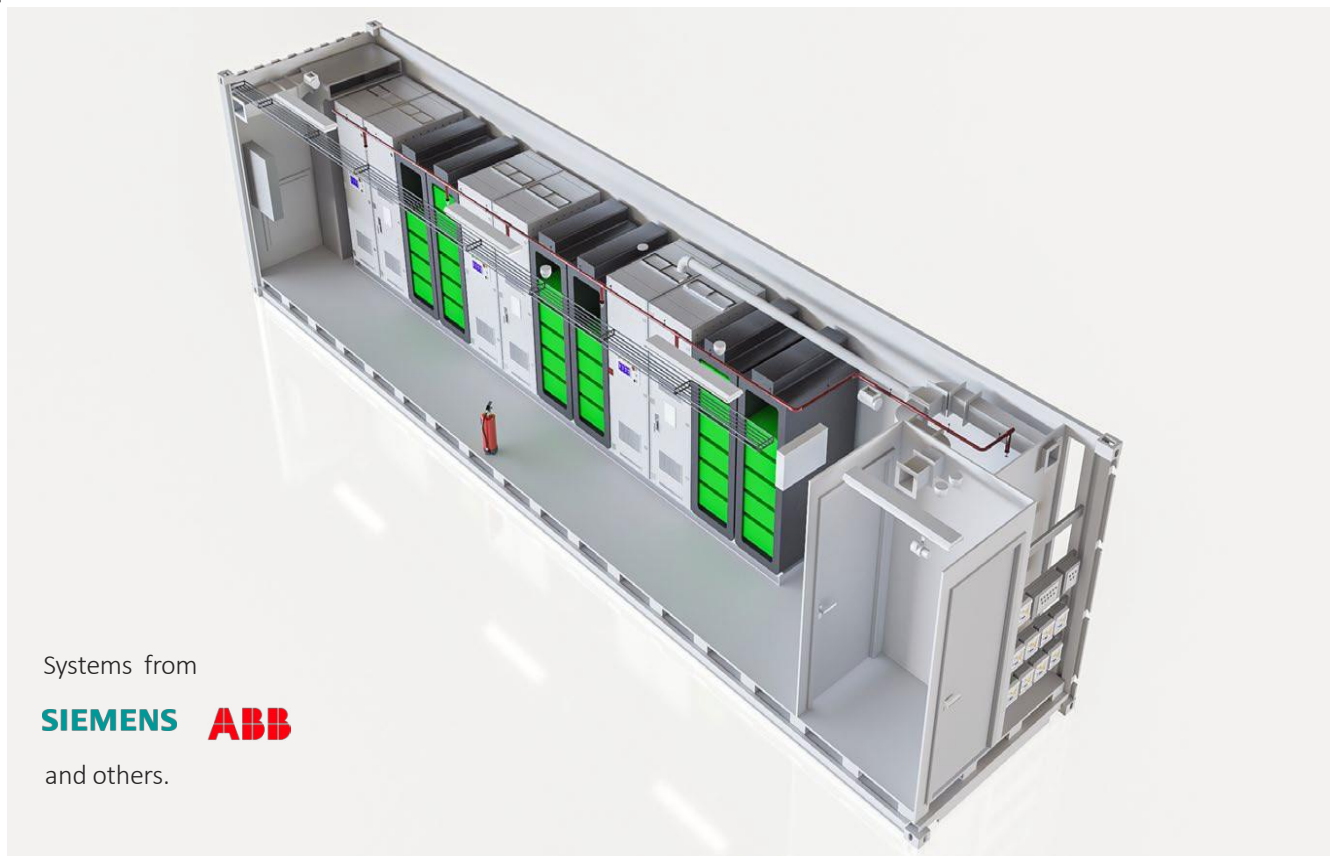
As the International Maritime Organization requires, every vessel to install a new and approved Ballast Water Treatment System by September 2024. The ballast water has to be treated prior discharge to kill the bacteria in the water.



Hybrid Energy Storage System

Semco Maritime offers the complete EPCI turnkey solution to decarbonize your rig or vessel.

Together with a partner of your choosing we provide turnkey installations of systems, achieving the most efficient installation possible.



Systems from

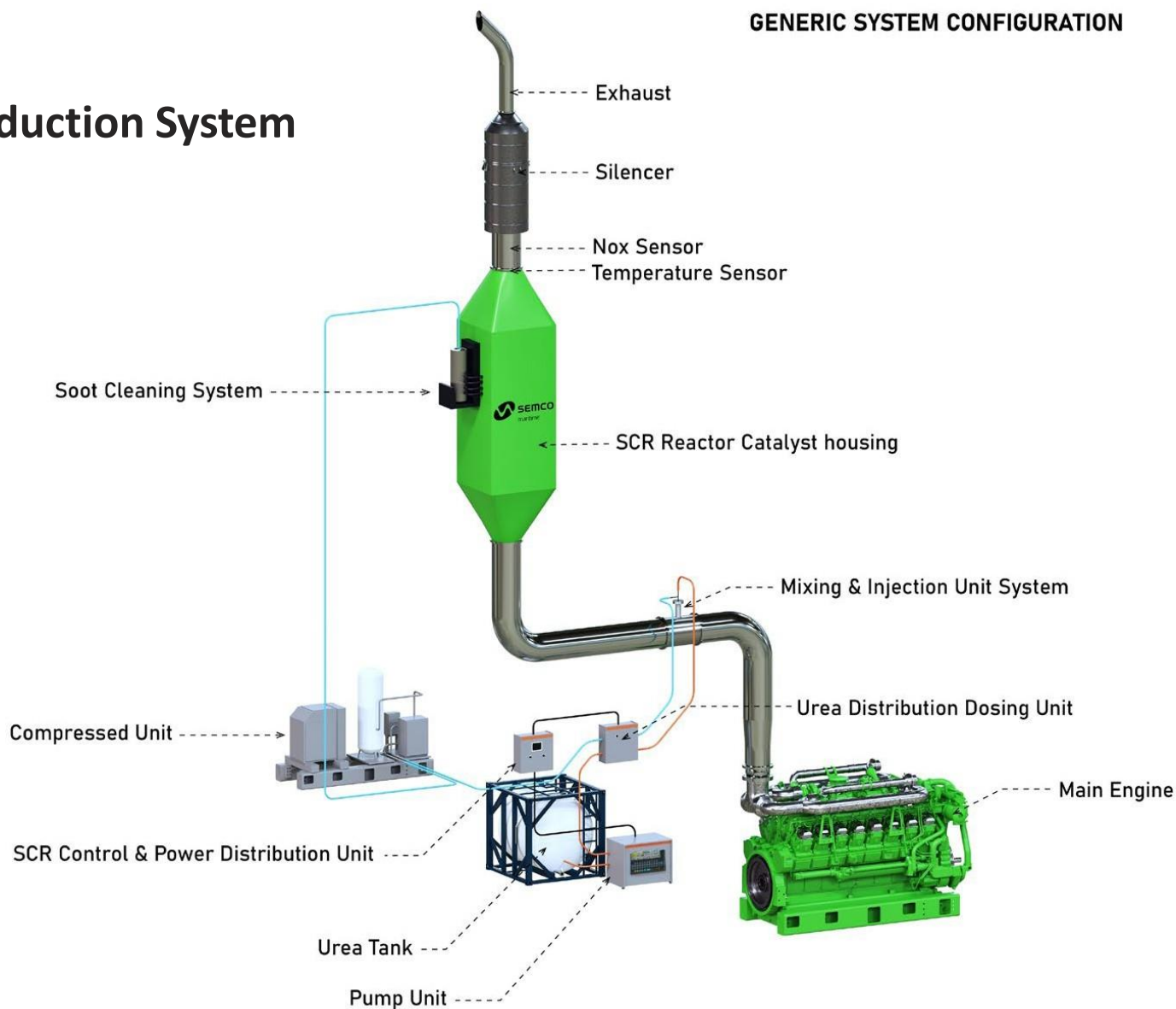
SIEMENS **ABB**

and others.

Selective Catalytic Reduction System

- The NOx reduction system reduces annual NOx emission by up to 95%.
- This immensely increases the chances of avoidance of future environmental NOx taxes/fees.
- Semco Maritime offers the complete EPCI turnkey solution.

GENERIC SYSTEM CONFIGURATION



Systems can be provided by:



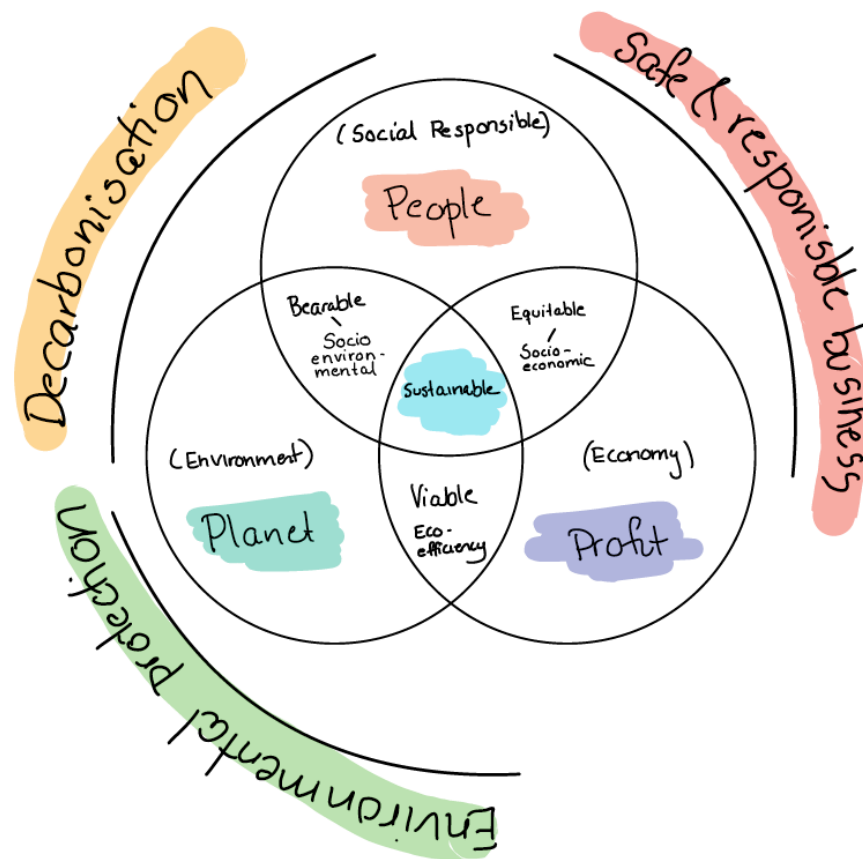
and others.

Shore power

- Several 21 kV connections
- Fixed and movable transformers
- Moveable Shorepower containers
- Flexible voltage and effect
- Rig interface



3. Semco's sustainability strategy



UN's Sustainable Development Goals

Semco's chosen 6 focus goals:

- 7. Affordable & Clean Energy
- 8. Decent Work and Economic growth
- 9. Industry, Innovation & Infrastructure
- 12. Responsible consumption & production
- 13. Climate action
- 14. Life below water

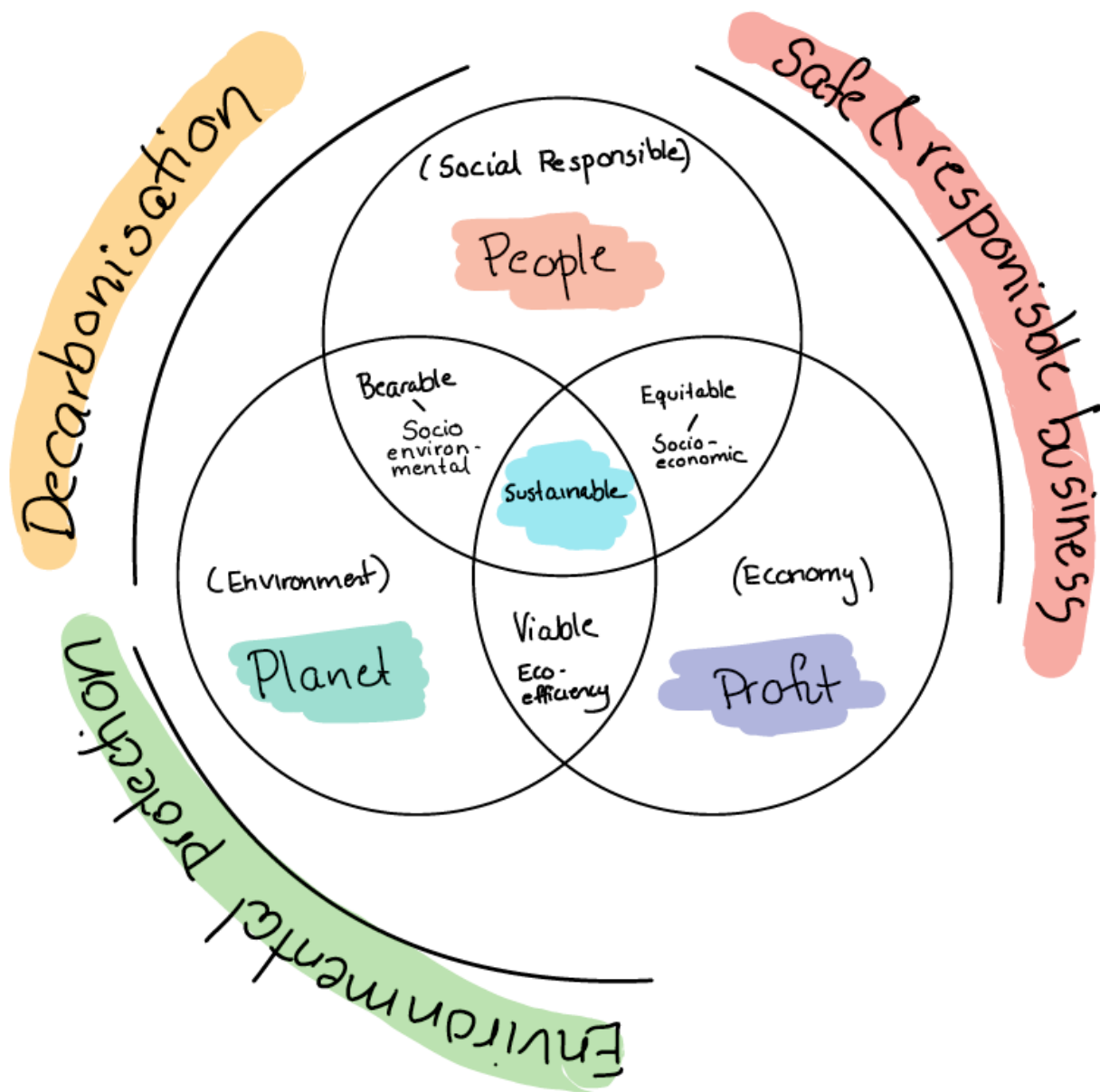


The sustainability circle

Semco define sustainability as the combination of doing well for the planet, its people and our business (profit)

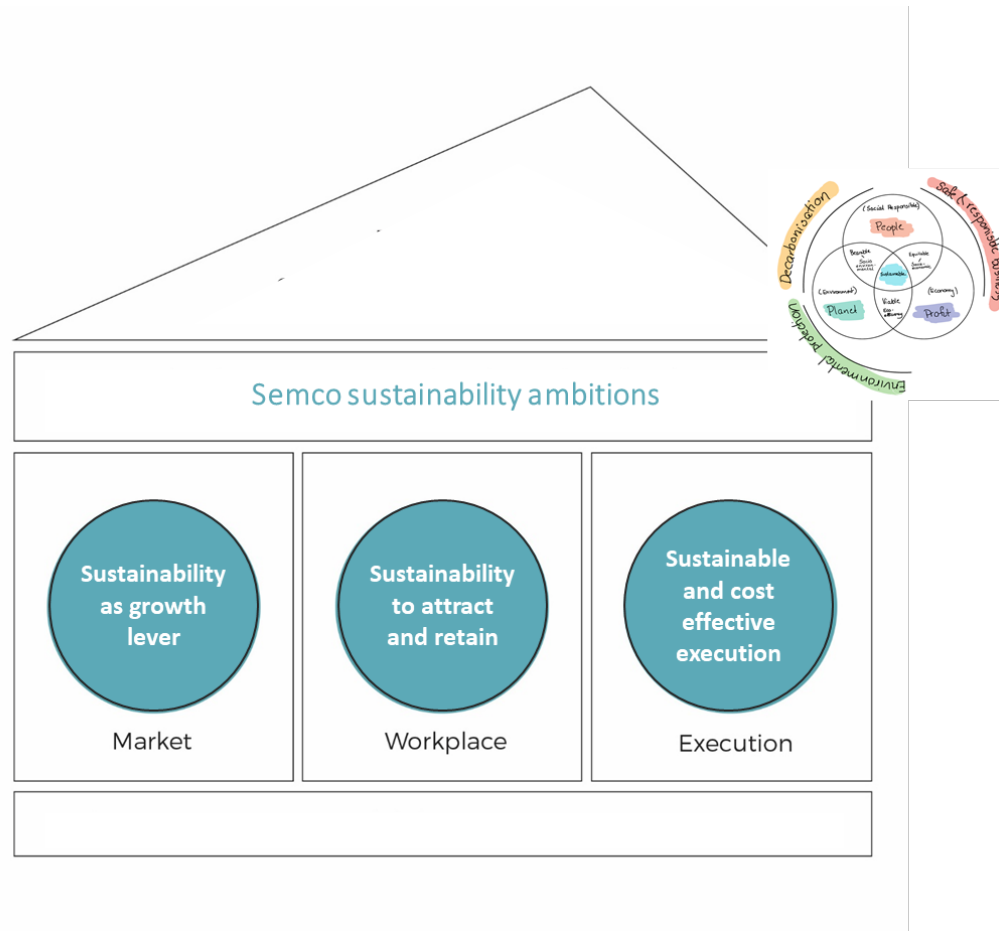
3 focus areas have been defined:

- **Decarbonisation**, aiming at carbon neutrality for scope 1 and 2 in 2023, neutrality for own operations in 2030 and for scope 1-3 in 2050
- **Environmental protection**: Focusing on water, waste, pollution and use of natural resources
- **Safe and responsible business**: With a main focus on health and safety



Sustainability as an integrated part of Semco's strategy

- Baseline for Decarbonisation set
- Objectives for Decarbonisation/ CO₂:
 - 2023: Neutral scope 1 & 2
 - 2030: Neutral in "own operations"
 - 2050: Neutral scope 1, 2 & 3 (to be developed)
- Next:
 - Implement in organisation and management systems
 - Develop objectives further



Example Digitization - EX Inspection and Reporting

Semco Maritime EX safety solution offers an end-to-end solution from the initial registration and inspection to the final repairs or improvements. Based on own experience and current references, it is possible to save between 30 to 50% of the man-hours spent on inspections and maintenance cost.

The program SafeEx handles all inspection and maintenance routine improving safety, increasing efficiency, and full transparency.

Integration possible with:

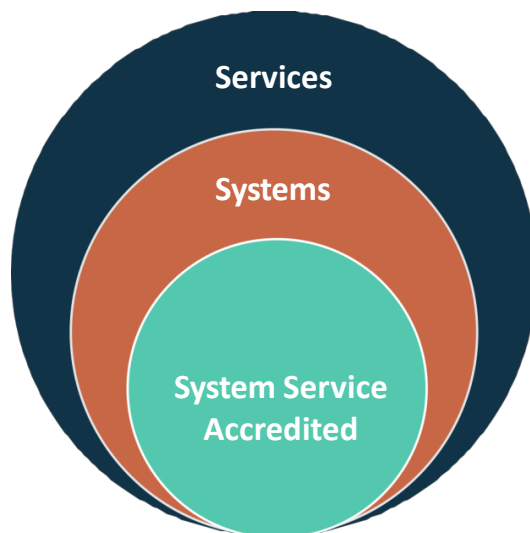


DIGITIZE

More Efficient
Inspection &
Maintenance



Example Multidiscipline work - Electrical SPS



Accredited and authorized partners



Services

- Thermography inspections
- LV breaker test and service
- MV breaker test and service (test of relays)
- General cleaning of electrical equipment (internal and external)
- Inspection and test in accordance to OEM requirements
- Battery capacity test and service of UPS systems
- Megger test
- Inspection and check of cable penetrations
- Immediate repair
- Minor electrical installation

Systems

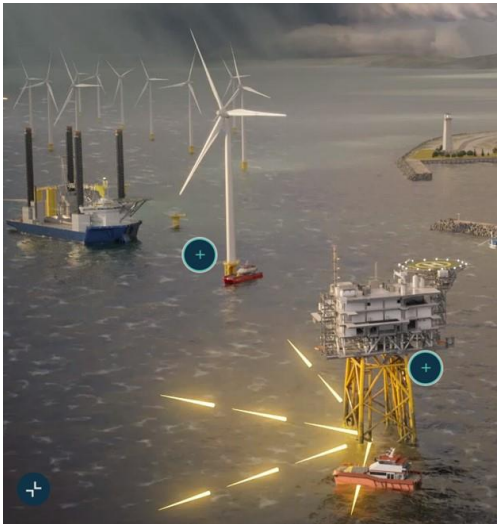
- MV switchgear
- LV switchgear
- Electrical motors (MV/LV)
- Drives
- Transformers (MV/LV)
- Alternators (MV/LV)
- Neutral earth resistors



Planned Prevention Maintenance

Inspection in accordance to OEM requirements

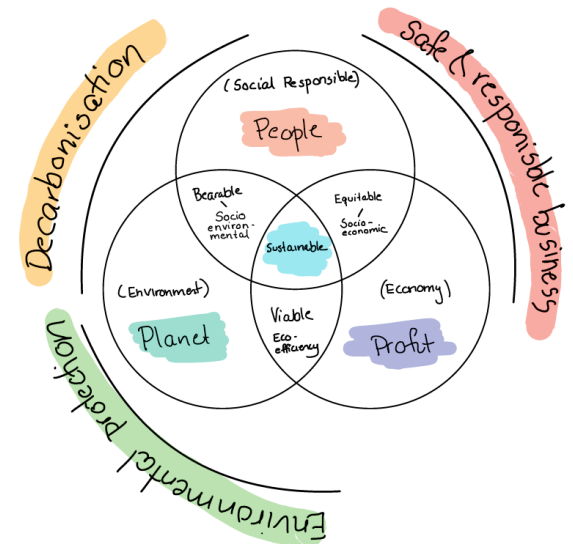
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Thank you – any questions?

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