

SEAONICS™

OFFSHORE HANDLING EQUIPMENT



SERVICE
24/7



OFFSHORE
SUPPLY



SUBSEA
CONSTRUCTION



MODULE HANDLING
WELL INTERVENTION



RESERVOIR
EXPLORATION



OCEAN
TRAWLING

A GLOBAL, EXPERIENCED AND RELIABLE PARTNER



World leading clients

As global players in a competitive market, our clients face everyday challenges when performing complex operations into ever deeper waters, into harsher Arctic conditions and under extreme weather.

SEAONICS' mission is to provide equipment that simplifies lifting and handling operations, raising the standards of safety, eco-efficiency and profitability.

SEAONICS' continued interaction with clients, ship-designers, ship-yards, operating companies and oil companies, is the keystone for fulfilling all jobs in a time-optimized, resource-optimized way. Thanks to our long experience, we can develop and deliver the most reliable solutions while always pressing for improvement on industry's established systems.

Our state-of-the-art systems are designed and produced to cope with the harshest forces of nature, for use in long-term operations while fulfilling the strictest regulatory requirements. In addition, our systems are developed for ease of integration into technically advanced ships and on any shipbuilding project of high complexity.

SERVICE 24/7

SEAONICS Response Team

SEAONICS Response Team is available globally, on short notice, 24 hours per day, 7 days a week, 365 days a year. Our highest priorities are the safety of the crew and operational reliability of the equipment. Downtime is not acceptable, and the SEAONICS service program includes maintenance and upgrades of our systems, and global availability on short notice from our highly qualified service personnel. We also offer training, as well as a remote maintenance and upgrades service, to save your valuable time.

Service phone: (+47) 930 74 400 Service mail: service@seaonics.com

Together, we are raising the standards.

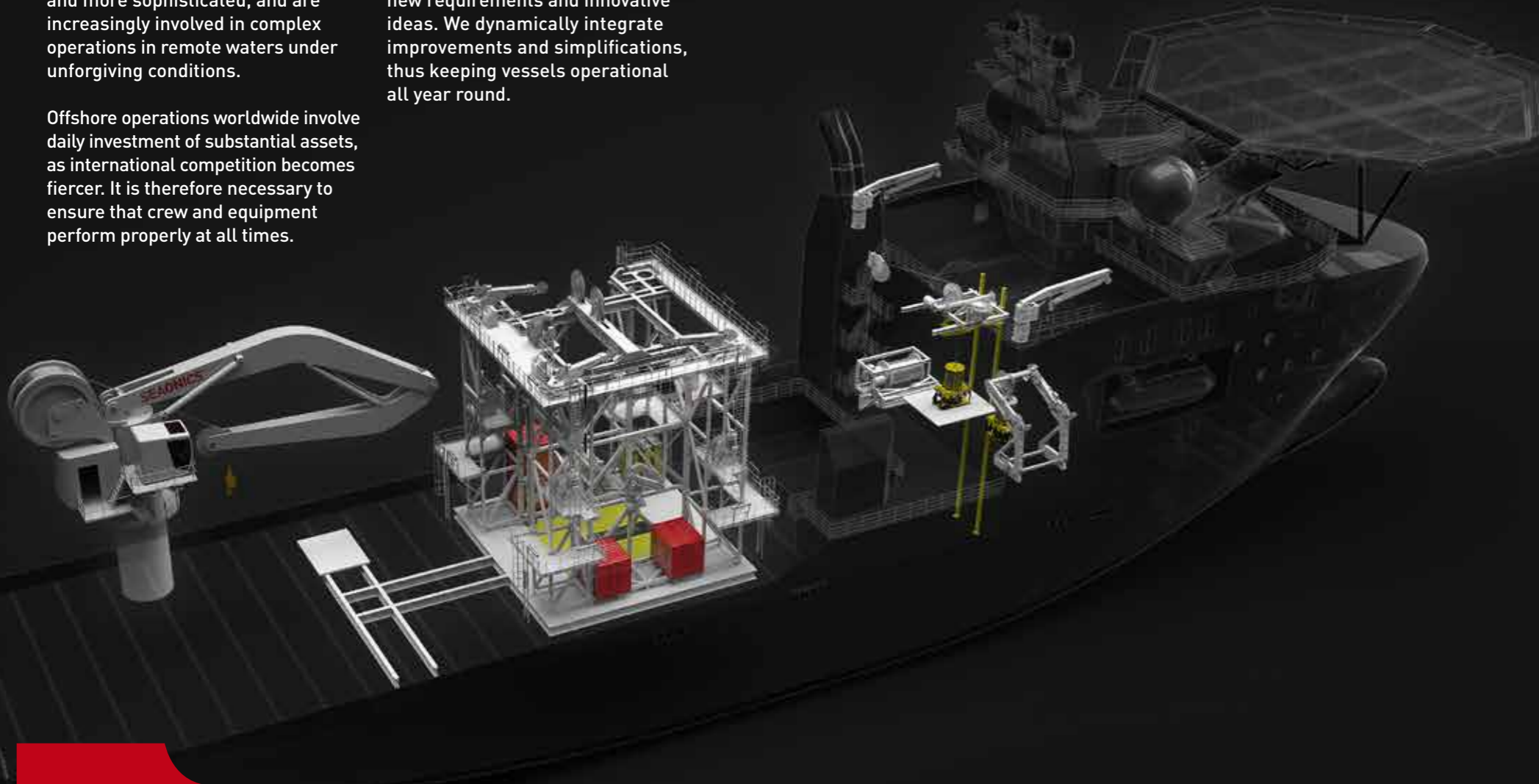
OFFSHORE HANDLING OPERATIONS

We know what it takes to stay on-hire

The world's offshore fleet is under continuous development and growth. Vessels are getting larger and more sophisticated, and are increasingly involved in complex operations in remote waters under unforgiving conditions.

Offshore operations worldwide involve daily investment of substantial assets, as international competition becomes fiercer. It is therefore necessary to ensure that crew and equipment perform properly at all times.

SEAONICS' historical connection and geographical proximity to the market secures our continuous access to all new requirements and innovative ideas. We dynamically integrate improvements and simplifications, thus keeping vessels operational all year round.



SEAONICS HYBRID DRIVE UNIT

Increased redundancy, speed and power

SEAONICS hybrid drive unit is a state-of-the-art solution for safe load holding, speed and acceleration on winches, cranes and other sophisticated handling equipment. The machinery is powered by a combination of hydraulic and electrical motors. SEAONICS hybrid solution reinforces redundancy, with two separate and independent drive systems controlled by SEAONICS patented control system.

SEAONICS hybrid drive unit boosts speed and power, yielding an increased flexibility of available speeds at different loads, with regeneration of electrical power to the vessel.

SOME OF OUR REFERENCES



SEAONICS LARS A-frame

A-frame launch and recovery system for ROVs (Remotely operated vehicle) delivered by SEAONICS, on board Siem Offshore's subsea construction vessel "Siem Daya 1", an OSCV 11 L design, designed and built by VARD.

SEAONICS LARS Moon-pool

The SEAONICS moon-pool launch and recovery system for ROVs on board the "Siem Daya 1". "Siem Daya 1" is designed for subsea operation duties such as construction and installation work, inspection and maintenance.



SEAONICS AHC Offshore Crane

SEAONICS 50 tonnes (80T two-fall) Active Heave Compensated (AHC) offshore crane with hybrid driven winch, on board the Swire Seabed vessel "Seabed Supporter", during final preparations at the yard in Baku, before the vessel is put into operation in the Caspian Sea.

SEAONICS Hybrid Driven Winch

The SEAONICS hybrid driven winch for the 50 tonnes crane is readied for easy installation on board the "Seabed Supporter", a multi-purpose offshore vessel built for Swire Seabed by Fjellstrand, and designed by Sawicon. The SEAONICS hybrid drive unit is applied both to electric and hydraulic drives.



FISHERY HANDLING OPERATIONS

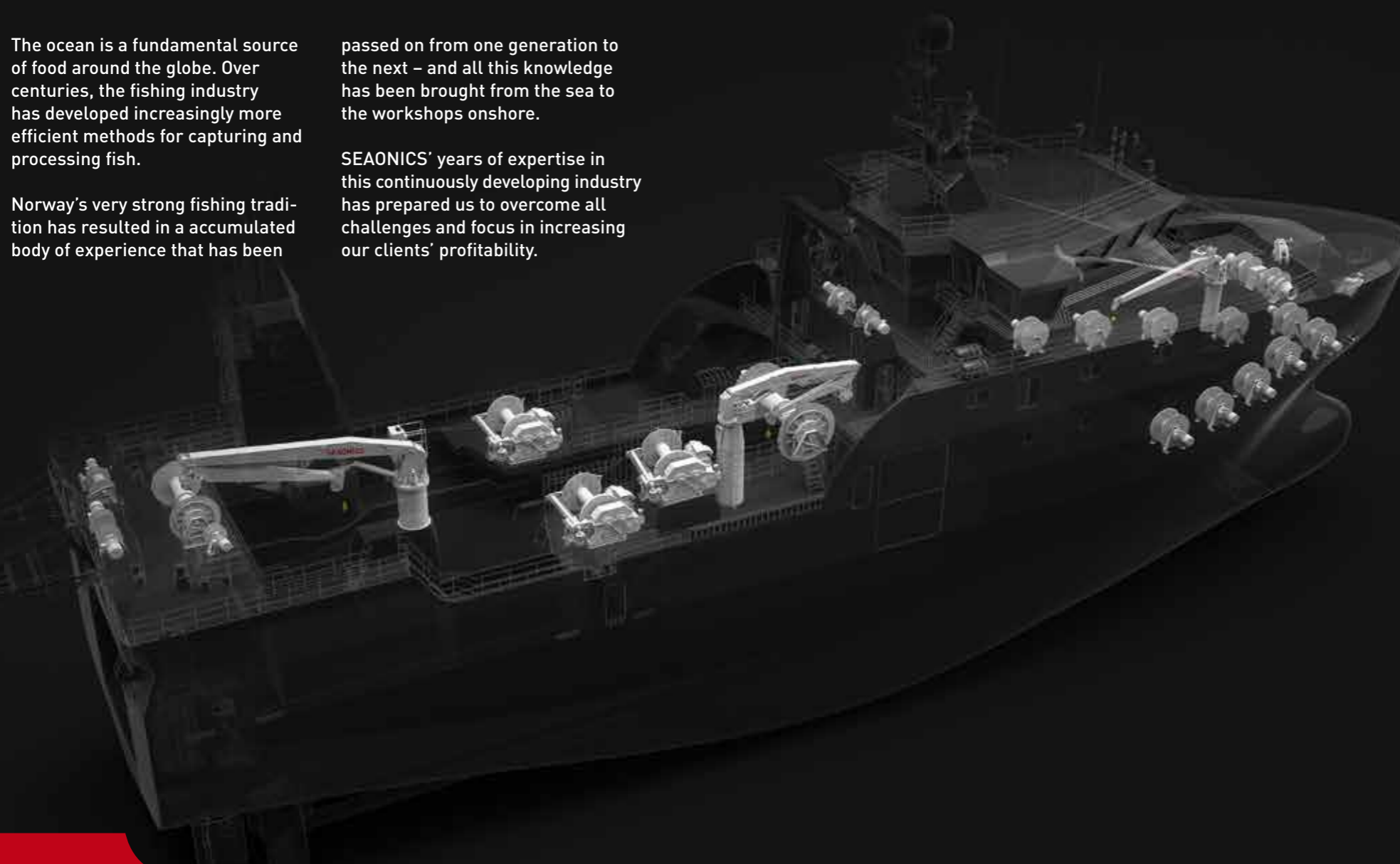
Developed for harsh conditions

The ocean is a fundamental source of food around the globe. Over centuries, the fishing industry has developed increasingly more efficient methods for capturing and processing fish.

Norway's very strong fishing tradition has resulted in an accumulated body of experience that has been

passed on from one generation to the next – and all this knowledge has been brought from the sea to the workshops onshore.

SEAONICS' years of expertise in this continuously developing industry has prepared us to overcome all challenges and focus in increasing our clients' profitability.



SEAONICS TRAWL WINCH DESIGN

Reduced fuel consumption and maintenance

SEAONICS offers compact trawl winch designs, electrically driven. Trawl winches on modern trawlers must be able to operate 24/7 all year around in the harshest environments. Although these operational conditions may be extremely demanding, they provide SEAONICS prized information on the typical use of our winches under the harshest situations. Besides low power consumption, our winches regenerate power back to the ship's electrical grid every time the winch is used. This regeneration reduces overall fuel consumption and emissions for the vessels.



"Although SEAONICS was a newly established company when we first got in touch to discuss our project, they convinced us that they were the right partner, offering the right products. From day one, SEAONICS have proven their quality and ability to deliver".

Olav Holst-Dyrnes, CEO, HAVFISK ASA

SOME OF OUR REFERENCES

SEAONICS Trawl Winch

55 tonnes trawl winch from SEAONICS, with frequency controlled spooling device, and gear oil heater- and filtering system, installed on board the "Gadus Poseidon".



SEAONICS Net Drum

The SEAONICS 25 tonnes compact net drum unit with the unique SEAONICS gearbox design, installed on the Norwegian trawler "Gadus Poseidon" built and designed by VARD (FV 01) for HAVFISK. The "Gadus Poseidon" is outfitted for bottom and pelagic trawling operations all year round.

SEAONICS Deck Crane

On the deck on the trawler "Hopen" there are three deck cranes supplied by SEAONICS. This vessel was designed by Skipsteknisk (ST-117), and is owned by Remøy Fiskeriselskap.





SERVICE 24/7

SEAONICS' 24h service network's highest priority is safety and operational reliability. SEAONICS Response Team is always available globally on short notice.

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OFFSHORE SUPPLY

SEAONICS delivers equipment for safe and efficient handling of cargo, including cargo securing winches, towing winches, deck cranes, and the new safe hose-handling system, SEAONICS SAFE.



SUBSEA CONSTRUCTION

SEAONICS supplies a wide range of advanced and reliable handling systems for subsea construction work, namely offshore cranes, launch and recovery systems (LARS), side ports, moon-pool hatches and deck skid systems. All winches can be delivered with Active Heave Compensation (AHC) powered by hydraulic, hybrid, or pure electric drives.



MODULE HANDLING - WELL INTERVENTION

In cooperation with Castor Drilling Solution, SEAONICS offers custom-made and fully complete module handling systems and well intervention towers.



RESERVOIR EXPLORATION

Our product portfolio includes complete seismic packages and tailor-made solutions, such as node handling and traction winch systems. The equipment is designed for use world wide, all year round.



OCEAN TRAWLING

SEAONICS develops handling equipment for fishery operations and oceanographic research operating under the harshest conditions. We are the sole provider of complete electrically-driven trawl winch packages and deck cranes in the market.

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