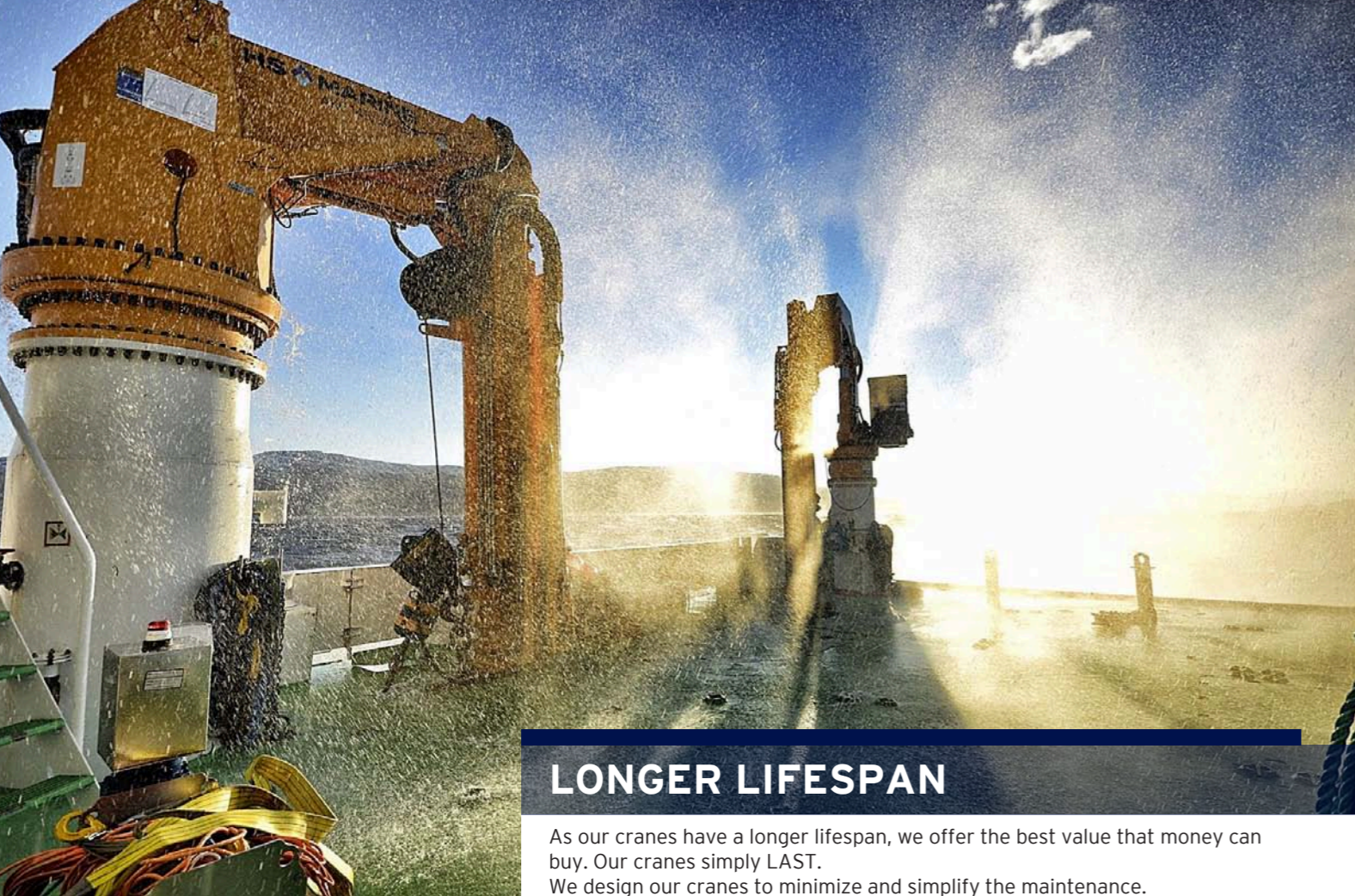


# FISH FARMING

**HS**  **MARINE**

the ultimate crane specialist





## LONGER LIFESPAN

As our cranes have a longer lifespan, we offer the best value that money can buy. Our cranes simply LAST. We design our cranes to minimize and simplify the maintenance. The crane reliability reduces the need of spares and, consequently, the operational costs.

This is the reason why we get so many satisfied and repeated customers.

The HS.Marine design concept, the quality of the components and the surface treatment reduce maintenance and lifetime costs, simplify the inspection activities and minimize the need for spares and recoating.

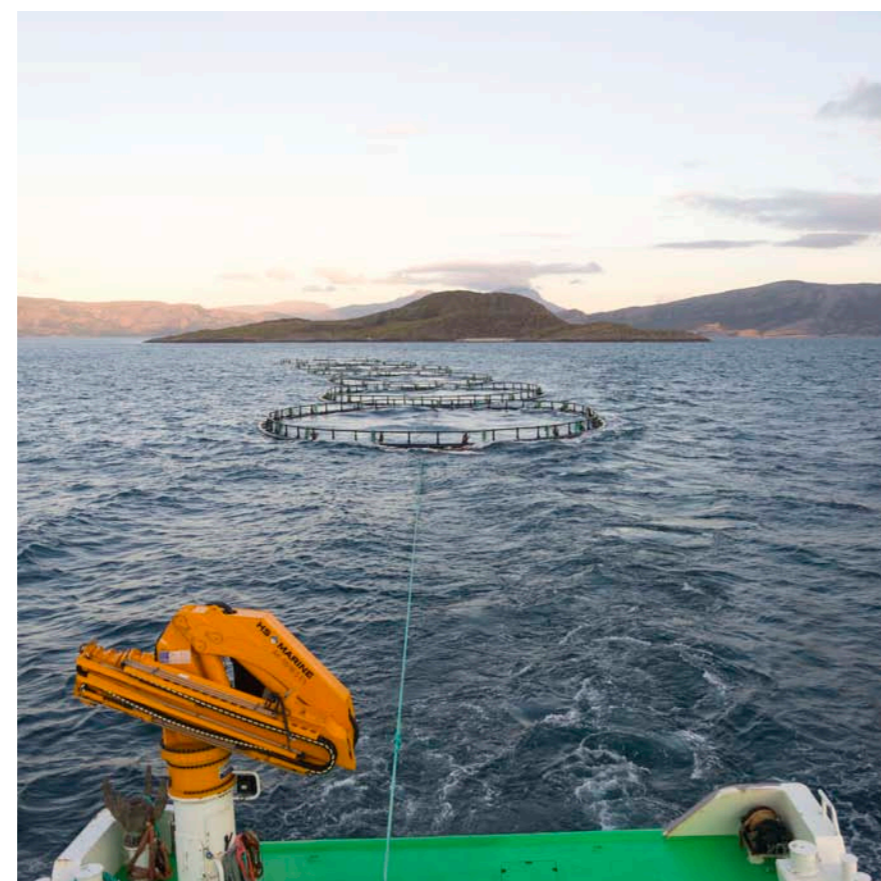
## RELIABILITY

The fish farming industry needs equipment of the highest level of quality to ensure reliable and safe operations.

HS.Marine design focus is RELIABILITY, combined with easy and low maintenance.

All components have been designed and selected to guarantee worldwide availability, easy inspection, low maintenance and easy service.

The quality of our components, the quality of our design, our obsession to detail and our tough testing, is what makes our cranes THE RELIABLE SOLUTION.



## CRANES DESIGNED FOR FISH FARMING

The marine fish farming environment demands equipment of the highest level of quality to ensure continuous and safe operations: HS.Marine cranes are able to satisfy these requirements. Moreover, HS.Marine specially design cranes for fish farming application.

All structures have been designed to take up heavy lateral forces and have a low value of deflexion.

For service vessels, HS.Marine has designed long boom knuckle telescopic cranes: we have supplied cranes up to 34 meters outreach, for hoisting the bird net on the larger farms.

Net haulers can be integrated in the cranes; more than one winch (up to 4 units) can be installed on the crane boom and simultaneously operated.

For synchronized operations, the crane radio remote control can be arranged to control other deck equipment, like winches or capstans.

An operator chair can be supplied for remote controlling of several cranes from the wheel house, as requested by live fish carriers in particular.



## SAFETY

To support the progress of the fish farming industry and to guarantee the safety, the fish farming equipment needs to be specially designed and developed for this application. It is now evident to the major operators that truck cranes or marinized cranes are not a good solution for fish farming industry.

Our cranes are prepared for the tough marine environment and are designed and built from the ground up for marine use, with high attention to detail.

Together with our extensive checking and testing, the result is an unparalleled strength and reliability with a superior quality. We design for the application.

Our cranes can work in any configurations: no matter if the boom is fully extended vertically or if it is knuckled downwards. In every position the safe working load can be moved by any crane cylinders, including the telescopic ones.

Black box and event downloading system are also a standard equipment on larger cranes.

## HS MARINE

**HS.MARINE IS A LEADING MANUFACTURER** of ship and offshore cranes.

All HS.Marine cranes are built on **RELIABILITY**, which is achieved by preparing the crane for the tough marine environment, designing for the specific application and focusing on quality.

Standard characteristics of HS.Marine products are:

- ◆ Designed and built from the ground up for marine use
- ◆ High attention to detail
- ◆ Unparalleled strength and reliability
- ◆ Superior quality
- ◆ Extensively checked and tested
- ◆ As built detailed documentation
- ◆ Worldwide service and assistance

HS.Marine offers a wide range of optional solutions for the cranes and are always available to discuss the technical specifications, in order to find solutions that makes our cranes suited for our customers' special applications.

Discover why **small detail** can create a **major difference**.



FOLDABLE KNUCKLE  
& TELESCOPIC



KNUCKLE & TELESCOPIC



KNUCKLE BOOM



TELESCOPIC BOOM



STIFF BOOM



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