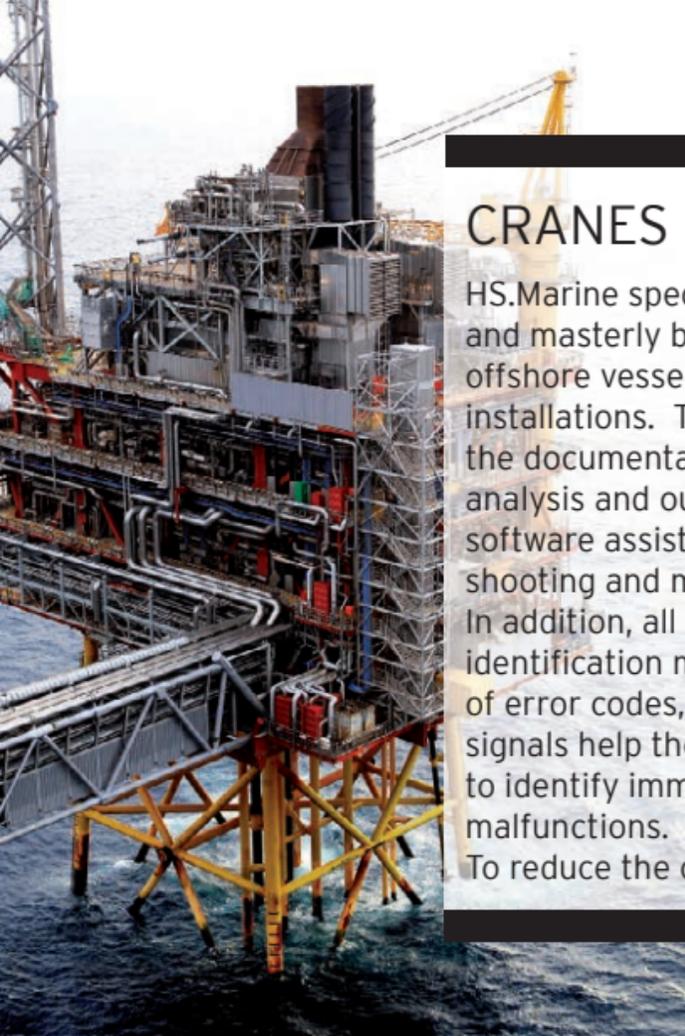


OFFSHORE VESSELS

HS  **MARINE**

the ultimate crane specialist





CRANES FOR OFFSHORE

HS.Marine specially designs and masterly builds cranes for offshore vessels and offshore installations. The quality of the documentation, the FMECA analysis and our service software assist in easy trouble shooting and maintenance. In addition, all components identification marking, a system of error codes, warnings and signals help the operator to identify immediately any malfunctions.

To reduce the cost of service,

maintenance, diagnostics and to give remote assistance

HS.Marine has developed a Multifunction Service Unit.

A system simulator is available for verification and validation of software with HIL technique and it is a great tool to support in an efficient way the requests for software upgrades or modifications.

HS.MARINE understands the importance of your work!



DOCUMENTATION

The quality of a crane is also related to the quality of its documentation. Complete "As built documentation" follows each HS.Marine crane. Our PMB (Project Management Book) includes the MRB (Manufacturing Record Book), the TS (Technical Specification), the TB (Technical Book), the FDS (Functional Design Specification), the spare parts manual and all documents listed in the SDR (Supplier Document Register). HS.Marine is always available to agree on customized SDRL (Supplier Document Requirement List).



GLOBAL SERVICE

HS.Marine After Sales and Service Department works closely with our distributors to provide our customers with the best possible support and service. We do not let our customers down. Our personnel is certified to service you also offshore. We do not close down our company for holidays and we have a major stock of spares to support our customers' eventual urgencies. The After sales Department is always ready to respond to any direct requests for assistance from our customers and to coordinate the response with our sister company HS.Equipment BV, with our distributors and our own service personnel.





MULTIFUNCTION SERVICE UNIT (MSU)

All HS.MARINE electronics utilize standard components. HS.Marine has developed a Multifunction Service Unit to reduce the cost of service, maintenance, diagnostics and remote assistance. Adding the MSU to the system, the customer can perform some programmable advance functions such as:

- Advanced Black Box (customer can read it)
- System Watchdog
- System Gateway from Crane to HS. Marine Service Software
- Maintenance planning tool

Utilizing the MSU with an authorization and identification key code, the user can also do:

- Software Update (software upload and download)
- HMI replacements
- PLC replacement
- Remote diagnostics
- Load test
- System bypass

The MSU tool is standard on all bigger cranes and optional on the smaller ones.



LONGER LIFE

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

As our cranes have a long life, we offer the best value that money can buy. This is the reason why our customers prefer HS.Marine cranes.

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