Certificate No: LR25327504TA
Issue Date: 19/11/2025
Expiry Date: 18/11/2030

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Sea Structure Technology Co., Ltd.**
Address	8-328, ITCC, Daehwa-ro, Daedeock-gu, Daejeon, 34368, South Korea
Type	Sensor Unit
Description	Fiber optic strain gauge of hull stress monitoring system
Trade Name	SST-HSMSFO-100A
Application	Marine and offshore applications for use in environmental category ENV5 on deck zones as defined in LR Type Approval System Test Specification No.1-2024 where the test specification is satisfactory for the intended operation.
Specified Standard	Manufacture's Specification
Ratings	1510nm to 1590nm Wave length
Additional Tests	IP56 (IEC60529:2013)
Other Conditions	Type approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. If the specified standards are amended during the validity of this certificate, the product is to be re-

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approved prior to it being supplied to vessels to which the amended standards apply. (In case of applications other than marine)The application of the type approval certificate will be limited to the relevant scope of the specified standard and acceptance thereof by the local authorities.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Asia of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR25327504TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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