Certificate No: LR21360241TA
Issue Date: 17/09/2021
Expiry Date: 16/09/2026

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	**HSD Engine Co., Ltd.**
Address	67, Gongdan-ro, Seongsan-gu, Changwon-si, Gyeongnam, 51561, Republic of Korea
Type	Control Units
Description	Engine Data Integration System (EDIS)
Trade Name	DSU (Data Storage Unit, EDIS-DSU-0.0), DCU* (Data Collection Unit, EDIS-DCU-0.0)
Application	Marine and offshore use in environmental categoriesENV2, ENV4* in “General power distribution zone” as defined in LR Type ApprovalSystem Test Specification No.1-December 2020
Specified Standard	Manufacture’s specification (Product information, EDIS-TD-0001,dated 26 October 2020)
Ratings	Power supply for module 24Vdc
Other Conditions	Type approval does not eliminate the need for normal inspection and survey

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Gyung-Hwan Lee

Digital & Control Team Leader to Lloyd's Register Asia
A member of the Lloyd's Register group

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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-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 LR21360241TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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