Certificate No: LR2541329TA
Issue Date: 19/03/2025
Expiry Date: 18/03/2030

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	**GUANGZHOU FOKSTONE AUTOMATION CO., LTD.**
Address	Development Zone, 6th Floor, No. 8, Baoju Street,, Guangzhou Economic and Technological, Guangzhou, 510730, China
Place of Production	GUANGZHOU FOKSTONE AUTOMATION CO., LTD. Development Zone, 6th Floor, No. 8, Baoju Street,, Guangzhou Economic and Technological, Guangzhou, 510730, China
Type	Alarm System
Description	Vapour Alarm System
Trade Name	GAS-OVS
Application	Marine application for use in environmental category ENV1, ENV2 as defined in LR Type Approval Test Specification No. 1, July 2024
Specified Standard	Manufacture’s specification
Ratings	Power supply 230VAC 60Hz Electronic cabinet: IP 44 Detector cabinet: IP66 The oxygen sensor Ex ia IIC T4 Ga Pressure sensor Ex ia IIC T4 Ga Safety barrier(flow): [Ex ia Ga] IIC

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Ning Guan

Electrical & Control - Senior Specialist to Lloyd's Register Classification Society (China) Co., Ltd.

12th Floor, Chong Hing Finance Centre, No. 288
Nanjing West Road, Shanghai, 200003, China

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Safety barrier(pressure, oxygen): [Ex ia Ga] IIC
Inductive ring sensor: Ex ia IIC T6…T1 Gb
Purge air supply<=8Bar

Other Conditions

The system is to be in compliance with the applicable Lloyd's Register Rules and Regulations of Ships when installed on board specific ship and is subject to plan approval on each individual case.
Proposed installation in hazardous areas are to be supported with the adequate Ex-certification meeting the requirements for the specific area.

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 Classification Society (China) Co., Ltd. of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2002524TA

The Design Appraisal Document TSO-24-027191-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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