Certificate No: LR2002219TA
Issue Date: 02/07/2019
Expiry Date: 01/07/2024

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	**Honeywell Safety Management Systems BV**
Address	Burgemeester Burgerslaan 40, Rosmalen, 5245, Netherlands
Place of Production	Honeywell EOOD Hristofor Columb No 64, Sofia Airport Center, Logistic Building 1, Sofia, Bulgaria, 1528, Bulgaria
Place of Production	Honeywell Process Solutions 11201 Greens Crossings Blvd, Suite 600, Houston, Texas, 77068, United States
Type	Fire And Gas Detection Alarm And Control Systems
Description	Type: Safety-related Programmable System incl. SafeNet, Universal Safety I/O and advanced Redundancy technique Safety Manager R15x and USC (Universal Safety Cabinet)
Trade Name	Fail safe safeguarding and fire & gas detection system
Application	LNG Carrier and Offshore and floating production facilities application for use in environmental categories ENV1, ENV2 as defined in LR Type Approval System, Test Specification Number 1, 2015.

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71 Fenchurch Street, London, EC3M 4BS, UK

Gerard Vromans

Service Delivery Manager to Lloyd's Register EMEA
A member of the Lloyd's Register group

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Specified Standard	EN 54.2 Rules and Regulations for the classification of a Floating Offshore Installation at a Fixed Location, issue 1999 IEC 61508 NFPA72
Additional Tests	-10 Degrees Celsius for 16 Hours
Other Conditions	If system is to be used for normal ships, systems plans have to be submitted to an office of this Society for approval. System is not to be used in bridge/wheelhouse rooms or deck level. All final applications have to be submitted for approval to an office of this Society for each project. Remark: Safety release: SM R154.1 This Certificate is a renewal of Type Approval Certificate 17/30030.

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 EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. ROT.TA/PRJ1110019399 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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