



## TYPE APPROVAL CERTIFICATE

**Certificate No.** : CPH16521-AC001 **Initial Approval** : 26th January, 2010.  
**Product** : Tank High & Overfill Alarm System  
**Manufacturer** : Autronica Fire and Security AS - Division Tonsberg  
Stalsbergvein 9, 3128 Notteroy, NORWAY

**Product Description** : LEVEL ALARM SYSTEM (Model : OAS-5)

1. Ratings:
  - Power supply : AC230/115V & 24V DC
  - Ex-protection : [Ex ia] IIC
2. Consisting of:
  - (1) High & Overfill Level Switch
    - HL-8903
    - HHL-8903
  - (2) Electronic cabinet (OAS-5)
    - Common Alarm Processing unit (CU2)
    - Intrinsically safe alarm module (OAU-01A/EX)  
(including I.S. Barrier Ex-1-W00)

- Approval Condition** :
1. This approval is granted on the basis of the test file no. SP\_95F5069(1995-05-03), NFT\_K51.91.026, Nemko\_199512239(1995-05-09), Nemko\_200007274(2000-02-21), Nemko\_33961(2004-11-30).  
Ex-certificate : Nemko nr. Ex 95D072.
  2. In case where this system is to be installed on board a ship, the system drawings are to be approved by this Society.
  3. Individual Product Certification is required.

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt.7, Ch.6, Art.1519 & Pt.6, Ch.2 of the Rules for Classification, Steel Ships.

This Certificate is valid until 25th January, 2020.  
Issued at Busan, Korea on 19th June, 2015.



**KOREAN REGISTER OF SHIPPING**

General Manager of  
Marine & Ocean Equipment Team

**Note :1** : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.  
**2** : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.