



## 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.

<b>Manufacturer</b>	<b>Boeing Automationstechnologie GmbH &amp; Co. KG</b>
<b>Address</b>	Am Steenoever 4, Ganderkesee, 27777, Germany
<b>Type</b>	Integrated Alarm, Monitoring and Control System
<b>Description</b>	IAMC serves as a control and display platform for processing and visualizing Refer to the Appendix for further details.
<b>Trade Name</b>	AHD-IAMCS
<b>Application</b>	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2, ENV3, ENV4 (components marked with <sup>(1)</sup> ) and ENV5 (components marked with <sup>(2)</sup> , front only) as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – July 2015.
<b>Specified Standard</b>	Manufacturer's specification IACS unified requirements E10 (Rev.8 Feb 2021)
<b>Ratings</b>	Power supply: 24 VDC components marked with <sup>(4)</sup> = 24 VDC; 115 VAC and 230 VAC
<b>Additional Tests</b>	Low temperature test (-25°C/16h) components marked with <sup>(3)</sup>

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

**Thorsten Wolff**

Senior Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group

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**Other Conditions** The complete installation is subject to a separate plan appraisal according to applicable Rules and Regulations when installed on LR classed vessels.

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.

**Previous Version:** This certificate supersedes certificate number LR21216908TA issued on 11.06.2021 which is hereby cancelled.

The Design Appraisal Document HPC1562242-22/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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## Appendix

### TYPE

AHD-IAMCS

#### Designation

AHD 1110 F<sup>(3)</sup>

AHD 1110 G<sup>(3)</sup>

AHD 1115 F

AHD 1115 G

AHD 1119 F

AHD 1119 G

AHD 1200<sup>(3)</sup>

AHD 1215 F

AHD 1215 G

AHD 1219 F

AHD 1219 G

AHD 1224 G

AHD-DPU9<sup>(3)</sup>

AHD 1310 F<sup>(3)</sup>

AHD 1310 G<sup>(3)</sup>

AHD 406-2<sup>(3)</sup>

AHD 570

AHD 652<sup>(2)</sup>

AHD 880 E<sup>(2)</sup>

AHD 880 G<sup>(2)</sup>

AHD 880 TC<sup>(2)</sup>

AHD 882<sup>(1)</sup>

AHD-DPS 02 A07<sup>(3), (4)</sup>

AHD-DPS 02 BS<sup>(3)</sup>

AHD-DPS 02 E07<sup>(4)</sup>

AHD-DPS 02 E14<sup>(4)</sup>

AHD-DPS 02 G14<sup>(3), (4)</sup>

AHD-PS 15<sup>(1)</sup>

AHD-PS 15B<sup>(1)</sup>

AHD-PS 30<sup>(1)</sup>

AHD-PS 47<sup>(1)</sup>

#### Device description

10" Display with foil front

10" Display with glass front

15" Display with foil front

15" Display with glass front

19" Display with foil front

19" Display with glass front

Embedded PC

15" Panel PCs with foil front

15" Panel PCs with glass front

19" Panel PCs with foil front

19" Panel PCs with glass front

24" Panel PCs with glass front

Data processing station

10" Panel PC with foil front

10" Panel PC with glass front

Cabin duty alarm

5.7" LCD colour display

6.5" Operating panel

8.8" Operating panel with engine monitoring

8.8" Operating panel with glass front

8.8" Operating panel with foil front

Central unit

Extension module for navigation and signal light control and monitoring

Operation and indicator module for console

Emergency switch units with 7 switches

Emergency switch units with 14 switches

Basic module for navigation and signal light control and monitoring

Data station for 15 binary inputs

Data station with duty selection function

Data station for 30 binary inputs

Data station for 47 binary inputs



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AHD-R101 <sup>(1), (3)</sup>	Microprocessor controlled relay station
AHD-R101-2 <sup>(1), (3)</sup>	Microprocessor controlled relay station
AHD-SAS 15 M12 <sup>(1), (3)</sup>	Data station for analog and binary sensors
AHD-UCC <sup>(3)</sup>	Repeater
AHD-UIC	Compact protocol converter
AHD-WAOP K	Personnel alarm system
AHD-WAOP	BNWAS
AHD-GAP F	General alarm unit with fire alarm function
AHD 570 DP	5.7" LCD colour display
AHD-DRM R	Control unit for colour displays and monitors with rotary push drive
AHD-DRM T	Control unit for colour displays and monitors with trackball