

Certificate of Type Approval



This is to certify that

Germanischer Lloyd

specified as a "person" under the terms of The Merchant Shipping (Delegation of Equipment Approval) Regulations 1996, did undertake the relevant type approval procedures of the equipment identified below which was found to be in compliance with the essential safety requirements subjects to any conditions in the schedule hereto.

Producer	Totem Plus Europe GmbH
Address	Niedernstr. 10 20095 Hamburg, GERMANY
Equipment Description	Bridge Navigational Watch Alarm System (BNWAS)BNWAS
Type	Totem Plus Bridge Navigational Watch Alarm System
Specified Standard	IMO Resolution MSC.128(75), A.694(17), IEC 60945(2002), IEC 62616(2010), IEC 61162 series

The attached schedule forms part of this certificate.

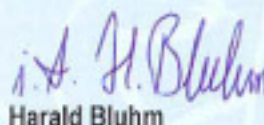
This certificate remains valid until **2016-01-04** unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Issued by **Germanischer Lloyd**

Signed

Name


Matthias Wiese


Harald Bluhm

Date of issue

2011-01-05

Certificate No.

12 788 - 10 HH

Sheet No.

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NOTE This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the nominated body named on this certificate of any modification or changes to the equipment in order to obtain a valid certificate.



Maritime and Caseguard Agency

This certificate is issued under the authority given in Merchant Shipping Notice No. MSN 1735 (M+F).

The latest edition of the General Terms and Conditions of Germanischer Lloyd is applicable.
German law applies.



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The Totem Plus Bridge Navigational Watch Alarm System consists of the following equipment:

Main Unit: BWS1.0
Reset Unit: RU1.0 (max 6)
Wing Reset Unit: WR1.0 (2 substitutive with Reset Units)
Alarm Unit: AU1.0 (max 20 in 7 groups)
I/O Unit: IO1.0
Main Unit Cable: CB2.0-03 (5m)
MotionDetector: SRX360N (max 8 in 4 groups)

Up to 10 additional Wing Reset Units can be installed as additional bridge visual indications, audible alarms, and remote audible alarms. The reset button will be blocked in this case.

Documentation:
BNWAS Installation and User Manual Version 1.x

Test Reports:
Environmental Test Report 21323Rev1, EMC Test Report 21335, Functional Test Report GL_Totem1.2010

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