



CERTIFICATE NUMBER

07-HG272758-PDA

DATE

14 September 2007

ABS TECHNICAL OFFICE

Hamburg Engineering Services

CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of

HUEGLI TECH AG (LTD.)

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Generator Plant Management System

MODEL: IntelGen Marine IG-NT and IntelSys Marine IS-NT

ABS RULE: 2007 Steel Vessel Rules 1-1-4/7.7, 4-8-2/9.11, 4-8-3/1.7/1.11/1.17/3.13, 4-9-3/13.9.1, 4-9-7/13

OTHER STANDARD: N.A.;

AMERICAN BUREAU OF SHIPPING

Hartmut Grommel

Engineering Type Approval Co-ordinator

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Czech Republic

Product: Generator Plant Management System

Model: IntelGen Marine IG-NT and IntelliSys Marine IS-NT

Intended Service:

Diesel Generator control, monitoring and electrical power management.

Description:

Modular control systems consisting of the following components: IntelliSys NT Base Box (IS-NT-BB Marine), IntelliSys NT Display (IS-Display Marine), IntelGen NT Central Unit (IG-NTC LT GC Marine), Dongle for Load Sharing and Power Management (IGS-LSM+PMS Dongle), Secondary Remote Display (IG-Display Marine), 8 Analogue Output Interface (I-AOUT8), Relay Board with 8 Relais (I-RB8), Relay Board with 8 Relais for 231V AC (I-RB8-231), Low Battery Adapter (I-LBA), Local Bridge (I-LB+), Mains Transformer Unit (I-MTU 2:1), CAN Repeater Module (I-CR).

Ratings:

Power Supply: 8-36V DC
Degree of Protection: IP65

Service Restrictions:

Unit Certification is required for this product.

Comments:

The functional and operational arrangements are to be specifically approved for each particular application.

Notes/Documentation:

This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

Term of Validity:

This Design Assessment Certificate number 07-HG272758-PDA, dated 14/Sep/2007 will expire on 13/Sep/2012 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2008, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.

STANDARDS**ABS Rules:**

2007 Steel Vessel Rules 1-1-4/7.7, 4-8-2/9.11, 4-8-3/1.7/1.11/1.17/3.13, 4-9-3/13.9.1, 4-9-7/13

International:

N.A.