



ABS

CERTIFICATE NUMBER: IT2980733

PORT OFFICE: Itajaí, SC, Brazil

Certificate of MANUFACTURING ASSESSMENT

This is to certify that: The Undersigned did evaluate the relevant manufacturing quality procedures for the type of products of the manufacturer:

Teksea Sistemas de Energia Ltda Plant at Blumenau, SC, Brazil

The methods of assuring and controlling quality during production as required by the ABS Rules or Guides for the product and the associated specifications or standard were verified to reflect the specific surveys, required by the Rules and Standards for the manufacture of:

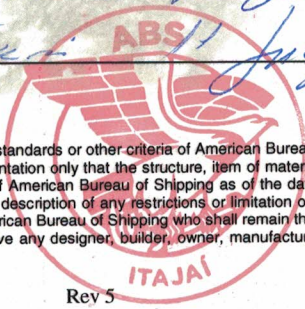
Alarm and Monitoring System

The manufacturer presented a sample or specimen of the product, representative of the "type" approved, to the undersigned, for the purpose of verifying that the "type" has been manufactured in conformance with the Manufacturer's Product Design Assessments.

This Certificate of Manufacturing Assessment is an evaluation of the manufacturer alone and is neither an approval nor a rejection of the product described above. Unless cancelled, expired or revoked, this certificate remains valid subject to annual audits

Consult the ABS Type Approval website to confirm the continued validity of this certificate and the status of the particular products being manufactured.

ISSUE DATE	3 September 2015	EXPIRATION DATE	02 September 2020
SURVEYOR	<i>Vitor Ferreira</i>	3 September 2015	
FIRST ANNUAL ENDORSEMENT	<i>Vitor Ferreira</i>	19 September 2016	
SECOND ANNUAL ENDORSEMENT	<i>Vitor Ferreira</i>	14 August 2017	
THIRD ANNUAL ENDORSEMENT	<i>Vitor Ferreira</i>	12 July 2018	
FOURTH ANNUAL ENDORSEMENT	<i>Vitor Ferreira</i>	11 July 2019	



Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.