LABORATORY RECOGNITION STATEMENT
No. **REC020419XP/001**

This is to certify that:

Description	**Laboratory Recognition**
Type	**DESTRUCTIVE NON-DESTRUCTIVE TESTS AND MEASUREMENTS OF MATERIALS AND PRODUCTS OF MARINE AND INDUSTRIAL STRUCTURES AND EQUIPMENT.**
Applicant	**ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE - LABORATORIUM BADAN STRUKTURY I WLASCIWOSCI MECHANICZNYCH MATERIALOW POLITEST** **al. Piastow 19** **70-310 Szczecin** **POLAND**
Reference standards	**RINA Rules for the Recognition of Testing Laboratories**

has been found in compliance with the requirements of the RINA "RULES FOR THE ASSESSMENT OF TESTING LABORATORIES" for the performance of the tests listed in the attachment to this certificate

Issued in **RINA Poland Marine** on **May 21, 2019.** *This Certificate is valid until* **April 4, 2022**

RINA Services S.p.A.

Andrzej Miler
Senior Marine Surveyor
RINA Services S.p.A.

This certificate consists of this page and 1 enclosure

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REC020419XP/001

Destructive, non-destructive tests and measurements of materials and products of marine and industrial structures and equipment.

LIST OF TESTS			
Tensile test: metallurgical industry, welded joints. Tensile strength test up to 250 kN in ambient temperauture.	PN – EN ISO 6892-1 PN – EN ISO 4136 PN – EN ISO 5178	Chemical composition analysis GDS method, stainless steel, non-alloyed steel, aluminium and aluminium alloys	-
Hardness test: metallurgical industry, welded joints. Vickers hardness test, range from HV 0,01, up to HV 100. Rockwell hardness test in HRC range.	PN – EN ISO 6507-1 PN – EN ISO 6508-1 PN – EN ISO 9015-1 PN – EN ISO 9015-2	Fracture test: welded joints.	PN – EN ISO 9017: 2014-01
Impact test: metallurgical industry, welded joints. Impact test up to 300 J, temperature range from: ambient, to -80 °C	PN – EN ISO 148-1 PN – EN ISO 9016:	Bend test: metallurgical industry and welded joints	PN-EN ISO 7438 PN-EN ISO 5173
Macroscopic and microscopic examination metallic parts; welded joints.	PN – EN ISO 17639	Penetrant testing: metallurgical industry and welded joints	ISO 3452-1
Visual Testing: metallurgical industry and welded joints	ISO 11971 PN-EN ISO 17637	Thermal cutting: Classification of thermal cuts, geometrical product specification and quality tolerances.	ISO 9013 ISO 1090-2

General conditions for the approval

a) The initial conditions verified by RINA at the time of the assessment are to be maintained
b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
c) RINA personnel are to be allowed to witness during the performances of activities, upon their request
d) The activities are to be carried out in compliance with RINA Rules and /or other applicable Rules

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