

CLASS APPROVAL STATEMENT

Passenger Catamaran - Portus CAS-Certificate no. 2023XP0132

This is to declare that the class approval statement of the following project:

Project:	Newbuilding no. 1159 - Portus	
Applicant:	Faaborg Vaerft Vaerftsvej 7 5600 Faaborg Denmark	
Designer:	Faaborg Vaerft Denmark	
Description:	Passenger Catamaran, DMA Notice D, Battery Powered, GRP Superstructure	
Characteristics:	Length Overall	17.0 m
	Breadth	6.0 m
	Draft	1.3 m
	Max. Service Speed	8.5 knots
	Propulsion Power	70 kW
	Battery Capacity	300 kWh
	Passengers no.	max 24
	Navigation	Harbor Area
	Flag	Denmark

has been carried out in compliance with RINA Rules for the Classification of Ships on the basis of the below listed technical criteria.

- ❖ RINA Rules for the Classification of Ships
 - RINA Rules Part F, Ch. 13, Sec. 28 (Hybrid Propulsion)
 - Part C, Chapter 2, Appendix 2 (Battery Powered Ships)
 - RINA Rules RES.22 for the Classification of Ships with Reinforced Plastic
- ❖ DMA Circulars
 - DMA RO Circular no.30, Appendix 1 Guideline for approval of Lithium ion type battery installations
 - DMA RO Circular no. 25 " Guidelines for safe use of FRP – Fire Safety"
 - DMA Order no. 1821 issued on 17th September 2021 " Order on the construction and equipment of ships, passenger ships, etc., on domestic voyages"

Issued in **HAMBURG** on **June 10, 2023**.



**RINA Services S.p.A.
Patrizio Di Francesco**

This certificate consists of this page and one Annex.

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The following submitted documentation, were reviewed:

Documents/Drawings

- ❖ GA FAA REV09 17-07-2022
- ❖ 20296-503-01-00 R03 Fire and Safety Plan-Model
- ❖ 20296-571-01-00 R00 HVAC & Vent System
- ❖ Fremdrivnings system
- ❖ Single line Potus II
- ❖ Propulsion motor
- ❖ Battery System Documentation Battery 96V 200Ah NE2401HB
- ❖ Torquemaster propulsion system Installation and Maintenance
- ❖ GRP superstructure Portus
- ❖ PAX Catamaran - GRP Superstructure
- ❖ 1159.11.04D - Lining materials GRP structure
- ❖ Lamination Plan - NB 1159
- ❖ MED Certificates
- ❖ Divinycell sandwich core material – Certificate No: TAK000002B - Revision No: 2.
- ❖ Polyester resin – Certificate No. LR21407494ALP-02
- ❖ GRP-mat Bi-Axial - Certificate No. TAK00001C4.
- ❖ GRP-mat CSM – Certificate no. LR200241 4ALP
- ❖ Sandwich Adhesives – Certificate No. TAK00000FB
- ❖ Fire protection coating - Hemsotherm 7 KS – TÜV Nord Certificate GmbH

The above list is not exhaustive and all approved drawings are available in the RINA Platform Leonardo Plus.

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