

Registration Certificate

Date: 2023-02-02

<https://myregistration.siemens.com>

Your Registration

Registration Id: **RVPT-EHBL-Q2FQ**

Dear customer, thank you very much for your registration. This certificate contains the data you have entered. The product/system you registered has the Registration ID: RVPT-EHBL-Q2FQ. Detailed information about your registration can be found on the following pages.

Date: 2023-02-02

Partner Information

Partner Role:	Manufacturer (OEM)
Company:	Rad Albahr Ships & Boats Maintenance Services
Address:	Rad Albahr Ships & Boats Maintenance Services, AE, 10237, Dubai, Workshop 7, W336,

Registration List

<p style="text-align: center;">Product</p> <p>Registration Id: RVPT-EHBL-Q2FQ</p>	<p>Product Number: RCS ZMZ-002579</p> <p>Serial Number: 5C86-080122-03STN</p> <p>Equipment Number: ZMZ-002579-FDB-MEGB-03STN</p> <p>Equipment Name: Marine Remote Engine/Gearbox Control System</p> <p>Technology: Offshore Operating Vessels</p> <p>Start of Production: 2017-09-01</p> <p>Delivery Date: 2017-12-01</p> <p>Comments: <i>The ZMZ-002577/002579 manipulated skillfully either on the "DCS" or the "FIELDBUS" topology basis (standardized as the IEC_61131 or IEC_61158), depending on the maritime vessel's demands and level of redundancy as per our reputable client's requirements. The proposed systems include the several Control Levers and Human Machine Interface (HMI) for monitoring in the parallel mode and will be embedded either on the single separate frame or together with the driver PLC(s), in the control cabinets. In the hierarchy, the main control/safety PLC(s) are located on the top, the HMI and the control levers, together with their PLC(s) will be assigned as the medium level interface; finally, the lower level equipment in the hierarchy consisting of a wide range of input sensors and outputs. Any available marine type output controllers, including the Electro-Hydraulically controlled Regulators/Electronically controlled actuators/Electronic Servo controllers/ Electronic Regulators/Electronic Governors/Electro-Hydraulic Proportional valves and VFD (Variable Frequency Drives) are some examples of compatible actuators</i></p>
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to our products. The actuators are acting as the system's outputs and the sensors performing the system's feedbacks through the several designated points. Imperative and designated alarms assigned to the several points of CPP(s), Engine/Gearbox or Azimuth thruster's sensors (as the Distributed Control/Fieldbus safeties related to the system) to act as the intelligent and necessary inputs. The system consisting of the two independent sets of the central PLC(s), compose the main RCS stations (as the higher layer in the hierarchy, located both in the ECR and the BRIDGE); Several Sub-Stations connecting to the main stations (as the medium layer, including the Control Levers and HMIs). The communication links and data transfer lines establishing through the PROFIBUS DP or PROFINET, those will be located in the Wings and the Emergency Stand.

Useful Links

Your Personal Contact

https://www.automation.siemens.com/aspa_app?comptcid=v&cntryid=AE

Further Information

<https://myregistration.siemens.com/info>

Do you want to know how to start your digital transformation?

Contact us! Our service experts will work with you to create your own digital concept.
[siemens.com/digital-enterprise-services](https://www.siemens.com/digital-enterprise-services)