



TYPE APPROVAL CERTIFICATE
No. ELE423522XH

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Alarm and monitoring system
<i>Type</i>	SHAPOLI ECO 8: - EDIT - 141 - EDIT - 99
<i>Applicant</i>	EDIT AUTOMATION SMLLC 15-17 AKTI KOUNTOURIOTI 18534 Piraeus GREECE
<i>Manufacturer</i>	EDIT AUTOMATION SMLLC
<i>Place of manufacture</i>	15-17 AKTI KOUNTOURIOTI 18534 Piraeus GREECE
<i>Reference standards</i>	IACS E10 Rev.8, Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 6, Table 1.

Issued in **Genoa** on **January 13, 2023**. *This Certificate is valid until* **January 12, 2028**

RINA Services S.p.A.
Luigi Benedetti

This certificate consists of this page and 1 enclosure

TYPE APPROVAL CERTIFICATE

No. ELE423522XH

Enclosure - Page 1 of 1

SHAPOLI ECO 8:

- EDIT - 141

- EDIT - 99

The ShaPoLi ECO 8 is a solution to reduce the CO2 emissions according to the new IMO EEXI . This product can be used for activating an alarm when the Shaft Power is exceeding the EEXI power Limit.

The ShaPoLi ECO 8 can be installed on the Bridge and signals output from the installed torque meter can be used as a measuring input on the device to measure the Power , shaft speed and torque . The device can start recoding the data when shaft speed exceeds the 10rpm .

There are two types of SHAPOLI ECO 8 system :

- EDIT-141

- EDIT-99

Shapoli ECO 8 can be connected to extra inputs like M/E flowmeters or an additional device in ECR

Product description:

EDIT-ECO8-005 Revision : 1.0 - Operational Manual Book

EDIT-007 , Revision : 1.0 - Software Quality Plan

Drawing no. EDIT-004/EDIT-002/EDIT-001/EDIT-005 - Wiring diagram and mimic diagram

Fields of application:

The EDIT 99/141 shaft power system can be installed in all RINA classed ships as shaft power limitation to comply with RINA Rules Part F, Ch.7, Section 1; IMO Circular MEPC.335(76) 2021 Guidelines, IACS Recommendation no.172 - EEXI implementation Guidelines; GUI.40 Guide for the evaluation of Energy Efficiency Existing Ship Index (EEXI)

Test Report:

Document no.9801 dated 14/10/2022

Document no.9826 dated 14/11/2022

ANA25412 dated 26/10/2022

ANA25753 dated 18/11/2022

Hellenic accreditation System: Certification No. 490-5

Refence documents:

TAO APP dated 16/12/2022

Offer dated 23/11/2022

The documents above-mentioned have been archived in the Leonardo Draw Plus portal under the project:

<https://leodrawplus.rina.org/projects/30042/detail>

Genoa January 12, 2023