



Certificate no.:
TAA00003ST

TYPE APPROVAL DESIGN CERTIFICATE

This is to certify:

that the Engine Safety, Control and Alarm System

with type designation(s)

Engine Safety, Control and Alarm System - ED215

issued to

JiangSu Enda General Equipment Group CO.,Ltd
Haian, 100, China

is found to comply with

DNV rules for classification – Ships Pt.6 Ch.5 Sec.21 Cyber security [2.2] Exclusion based on negligible risk

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

This type approval design certificate covers the criteria for exclusion from the mandatory application of Pt.6 Ch.5 Sec.21 Cyber security, subject to conditions stated in this certificate.

Issued at **Høvik** on **2025-11-13**

This Certificate is valid until **2027-11-12**.

for **DNV**

DNV local unit: **Nantong**

Approval Engineer: **Mirza Muqadam Baig**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

The ED215 Engine Safety, Control and Alarm System is designed for diesel engines driving generators. The system can handle tasks related to:

- Automatic starting and stopping shutdown
- Shutdown
- Data measurements
- Alarm protection
- Remote signalling
- Remote control functions

This type approval design certificate is issued to state conformance with DNV-RU-SHIP Pt.6 Ch.5 Sec.21 [2.2], indicating that a design assessment has been performed to confirm that the criteria for exclusion from mandatory application of cyber security requirements in DNV-RU-SHIP Pt.6 Ch.5 Sec.21 [4] are met.

The functionality of the systems is covered by another type approval certificate - **TAA00003D1**.

The system consists of following hardware which is covered by this certificate:

No.	Sub-unit	Model	Software
1.	Alarm system	MK1	ED215 Alarm V1.00
2.	Safety system	MK2	-
3.	Analog signal expanding modules, 1,2,3	EX-MK 1-3	-
4.	Digital input signal expanding modules 4,5	EX-MK 4,5	-

Application/Limitation

The following conditions shall be met when the ED215 system is installed onboard:

- The ED215 system shall be installed in a restricted area
- The ED215 system shall only be connected via RS-485 or CAN bus to only the third party remote control systems that meet the requirements in DNV-RU-SHIP Pt.6 Ch.5 Sec.21.

Type Approval documentation

Marking of product

For verification the type designation, serial numbers, part numbers shall be affixed in a way that they are clearly visible on the equipment onboard.

To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>