

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Planned Maintenance System for Machinery**with type designation(s)
ShipPalm version 3.X

Issued to

Alpha Ori India Private Limited
Chennai, Tamil Nadu, India

is found to comply with

DNV GL class programme DNVGL-CP-0206 – Type approval – Machinery planned maintenance system (MPMS)
DNV GL rules for classification – Ships**Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2021-01-26**This Certificate is valid until **2026-01-25**.for **DNV GL**DNV GL local station: **Hull, Materials & Machinery**
HøvikApproval Engineer: **Rolf Petter Hancke****Marit Laumann**
Head of Section

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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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

This system is a server based tool for systematic planning of maintenance and documentation of maintenance carried out.

Application/Limitation

The system shall at least cover Class related machinery and field instrument testing for periodically unmanned machinery space (Class notation E0, AUT, AUT-nh), when requested. In order to obtain the Survey Arrangement Machinery PMS for a specific vessel all relevant requirements of the current set of Rules for Classification (Ships and Offshore) are to be met.

Type Approval documentation

User guide
Installation Guide
System Architecture
Training, Software support and Roadmap
Class specific documentation

Tests carried out

A System evaluation has been carried out to verify that the system complies with the requirements as per Type Approval Class Programme DNVGL-CP-0206.

Marking of product

The identification is stated in the programme display and on the printed reports.

Periodical assessment

For retention of the Type Approval Certificate (TAC) a retention survey has to be carried out at least every second year, and one of the retention surveys will be at renewal of the TAC, i.e. before expiry date of the TAC.

Retention / renewal of the Type Approval Certificate will be based on an evaluation of the system with regards to changes in software and/ or DNV GL requirements.

During the validity of this Type Approval Certificate all relevant changes and launching of new versions shall be reported to DNV GL.

Other conditions

Any significant change in the software may render this Certificate invalid.

The validity date relates to the Type Approval Certificate issued to the manufacturer of the system, and not to the approval of the individual Planned Maintenance System installed on each particular vessel. The digitally signed electronic version of the TA certificate represents the original of the certificate, and any paper version is a copy.