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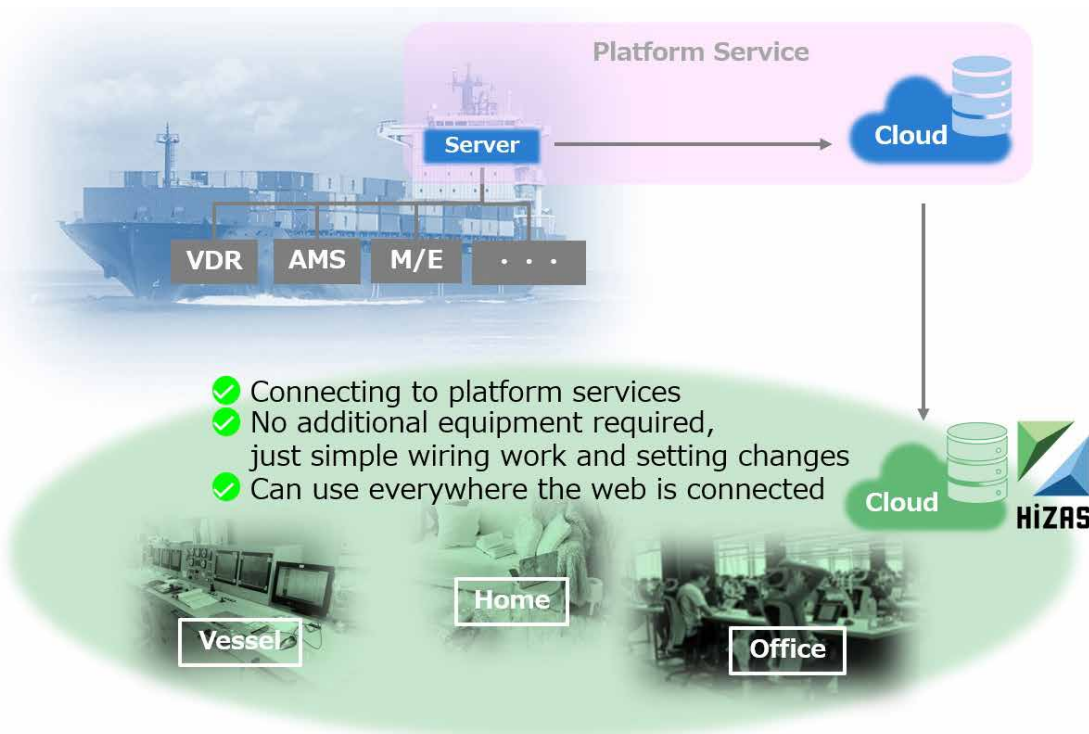


By Builder

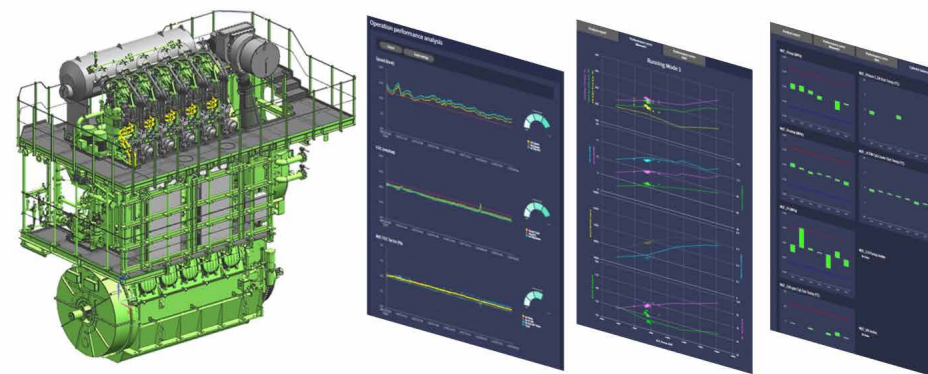


By Ship Type

HiZAS VDA Service (Vessel Data Analysis Service) 1



- ✔ Automatic M/E performance analysis
- ✔ Supports multiple M/E running modes
- ✔ Evaluation of advanced analysis values (TC efficiency, etc.)



Various companies are providing platform services that automatically transmit measured data from ship to shore, and these services are increasingly being applied to new vessels. By connecting to each platform services of these companies, HiZAS is provided as web applications with various functions at minimal cost and without installing additional equipment on vessel.

For vessels that are not applied with platform service, HiZAS is available by manual data upload.

Service

Cloud base web application

Contract

Annual contract (subscription)

Main functions

- Main engine performance analysis
- Alarm notification
- Vessel operation performance visualization and evaluation
- Parts measurement data management
- Data export

Hitachi Zosen Marine Engine Co., Ltd. is one of the group companies of Kanadevia Corporation



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By Builder



By Ship Type

Catalyst Technology for Next-Generation Fuels (GHG reduction, NOx reduction) 2

Catalyst Technology for Next-Generation Fuels

We solve the challenges of next-generation fuels with Catalyst Technology.

Methane Slip Reduction Device

Development of methane slip reduction technology from LNG fueled ships by catalyst and engine modification

- Development Period: 2021-2026
- Aim to reduce methane slip by over 70% by combining improvements in the 4-stroke engine with a methane oxidation catalyst.
- Commence full-scale demonstration tests on large coal carrier vessels starting in 2024.

N₂O decomposition catalysts

Development of N₂O reactor installed on ammonia-fueled ships

- Development Period: 2024-2027
- Aim for an N₂O decomposition rate of 90% or less than 5 ppm at the reactor outlet.
- Starting in 2026, plan to conduct full-scale demonstration tests on ammonia-fueled ammonia carrier vessels.

Ammonia cracking catalyst

Catalyst for Separating Hydrogen from Ammonia

- Capable of separating a portion of fuel ammonia into hydrogen, which can then be used as an igniter for ammonia.
- Also capable of decomposing and removing high-concentration leaked ammonia

