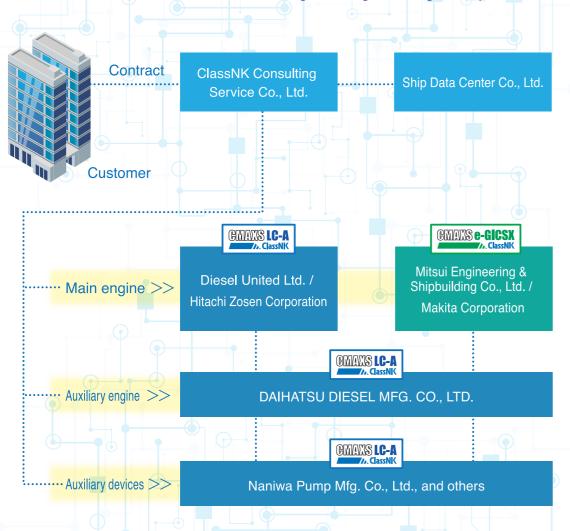
NK-CMAXS Alliance Members

CMAXS provides services in the following framework so that devices from various manufacturers can be managed through an integrated system.



CMAXS LC-A/e-GICSX alliance members: ClassNK Consulting Service Co., Ltd., Ship Data Center Co., Ltd., Diesel United Ltd., MES TECHNOSERVICE Co., Ltd., MAKITA Corporation, Hitachi Zosen Corporation, Naniwa Pump Mfg. Co., Ltd., and DAIHATSU DIESEL MFG. CO., LtD. (As of February 1, 2017.)

At present, the only main engines that can coordinate with our DAIHATSU auxiliary engines are products from alliance member manufacturers. For support for main engine manufactures, please contact ClassNK Consulting Service Co., Ltd. If you are considering installing a CMAXS sensor on our main engine, please consult with either ClassNK Consulting Service Co., Ltd. or our company.

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Thanks to the CMAXS common platform, our next-generation solution provides centralized monitoring of the main engine, auxiliary engines and auxiliary devices, supporting diagnosis and maintenance.

This new, Cloud-based engine condition monitoring (ECM) and diagnostic solution supports the safet operation of vessels and helps to reduce life-cycle costs.

Four key advantages of the system

Self-contained onboard engine support

- Early identification of potential faults through continuous engine diagnosis prevents serious engine failures.
- Troubleshooting guides assist with the customer's own maintenance work.

Simple and easy operation

- Integrated operation of the main engine auxiliary engine and auxiliary devices
- User-friendly operation through photographs, graphs, image data, alarm monitoring functions and an intuitive user interface.



Safer operation and reduction of life-cycle costs



DAIHATSU

Onboard and onshore engine "visualization"

- Fleet overviews and targeted vessel monitoring through the CMAXS Web Service.
- Ascertain a vessel's condition and activate any measures necessary via the onshore "Ship Data Center".
- Retrieve a target vessel's data at any time thanks to safe Cloud storage.

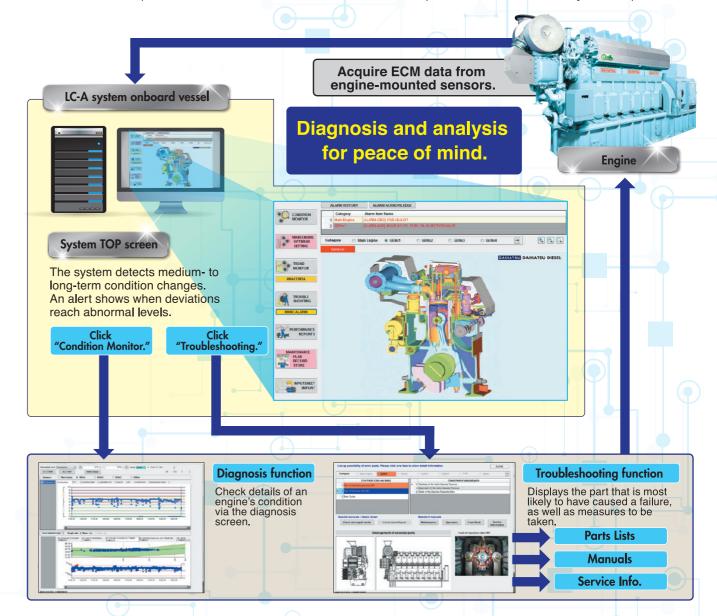
A total support solution.

- Direct analysis of engine data allows DAIHATSU to provide quick and relevant support.
- Periodic diagnostic reports provide reassurance for customers.

Diagnosis and troubleshooting functions

CMAXS LC-A/e-GICSX

Provides preventive maintenance alerts to correct incipient failures before they develop.







CMAXS Web Service

DAIHATSU DIESEL

Vessel owner /
vessel management company

CMAXS Web Service

In the CMAXS Web Service, a dedicated website for centrally managing the CMAXS-contracted vessels is made available. By accessing this website via the Internet, it is possible to ascertain the condition of any vessel from any location. As the same data can be viewed by jumping from the fleet list to the same monitoring screen as that onboard the vessel, you can address device management problems from the same viewpoint as that of the crew.

