

**Mitsui E&S Shipbuilding to provide 'Fleet Transfer' Monitoring System  
for Arctic Research Vessel "MIRAI II" Building by Japan Marine United**

Installation of "Fleet Transfer" vessel monitoring system developed by Mitsui E&S Shipbuilding Co., Ltd. (MES-S; President: Kenichi Shibata; Head Office: Daiba, Minato-ku, Tokyo), on Arctic Research Vessel "MIRAI II" (VESSEL) which is ordered by Japan Agency for Marine-Earth Science and Technology (JAMSTEC; President; Hiroyuki Yamato; Head Office: Yokosuka-shi, Kanagawa) and is under building by Japan Marine United Corporation (JMU; President & CEO: Takashi Hirose; Head Office: Yokohama-shi, Kanagawa) has been decided. The VESSEL is the Japan's first research vessel with icebreaking capability, and which is scheduled to be completed in November 2026.

Fleet Transfer automatically collects various data from on-board equipment every second and frequency of data collection can be customized upon customer's request. The collected data is transmitted to portal site via satellite communications and it allows real-time onshore monitoring of the vessel's navigation from land.



Fleet Transfer PC (W:180mm x D:175mm x H:63mm)

Collected data is shown on 'seawise' developed by seawise Co.,Ltd. (Executive Director: Kazuaki Tsutsui; Head Office: Chiyoda-ku, Tokyo), the major shareholders of which are Japan Data Science Consortium Co. Ltd., and MITSUI & CO., LTD. as an original portal site, however, it can be also shown on other various platforms meeting each customer's request. (\*In the case of the vessel, it will be connected to the operator's platform.)



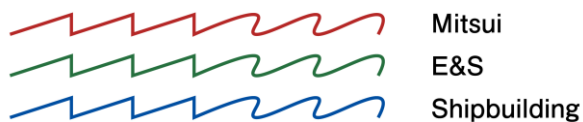
Mitsui  
E&S  
Shipbuilding



Screen image of seawise

Fleet Transfer has been installed on approximately 500 vessels, since its launch in 2006 and obtained top market share in the monitoring system in Japan. MES-S proposes system configuration to suit each customer's request and carries out one-stop support from initial system design to implementation with our technical expertise and accomplishments.

Through the supply of Fleet Transfer, MES-S has realized the "visualization of vessels" what was once considered impossible to achieve and "Connecting to the Future with Our Technologies" as our company's vision by supporting the efficient operation required by each customer.



■ Mitsui E&S Shipbuilding Co., Ltd.

Mitsui E&S shipbuilding (HQ: 2-3-2, Daiba, Minato-ku, Tokyo, Japan) is a fabless engineering company which, with the core technologies of ship development, design and construction cultivated over 100 years, over 40 years of experience in constructing LNG carriers and autonomous ship maneuvering and digitalization technology, contributes to solving the issues and needs of both society and customers related to maritime transportation, such as engineering for alternative fuel, improvement of safety and working environment of ship's crew, etc.

Company info: <https://www.tsuneishi.co.jp/mes-s/en/index.html>

President & Representative Director: SHIBATA Kenichi

Business: Engineering Service, Engineering for Alternative Fuel and Gas-related Equipment,  
DX • Monitoring, Technical support

Founded: May 2017 (Established: 1917)

Capital: 100 million yen

Employees: 125 (as of 1<sup>st</sup> January 2025)

Shipbuilding Business Affiliates:

TSUNEISHI SHIPBUILDING Co., Ltd. (Fukuyama City, Hiroshima Prefecture, Japan)

<https://www.tsuneishi.co.jp/english/>

NIIGATA SHIPBUILDING & REPAIR, Inc. (Niigata City, Niigata Prefecture, Japan)

<https://www.tsuneishi.co.jp/nsr/>

Akishima Laboratories Inc. (Akishima, Tokyo, Japan)

<https://akishima-labo.co.jp/en/>

[Contact]

Mitsui E&S Shipbuilding Co., Ltd. Business Development Dept. TEL: +81-3-6426-0251