



PREDICT. PREVENT. PROTECT.

MAREWA-SYSTEM

Maritime Remote Watchman System

— Remote Ship Engine Monitoring System —

Reduce the cost of uncertainty at sea...

Decline in Experienced Engineers

Insufficient Transfer of
Skills & Experience

Reduction in Onboard Crew

Increase in Aging Vessels

Growing Demand for
Digital Skills

Key Challenges in
Today's Maritime
Industry

...
*Early signs of engine
trouble are often
hidden in daily data*



This is where
MAREWA-SYSTEM
makes the difference.

WHAT MAREWA 2.0 DOES:

- Monitors engine data accurately in real-time
- Detects anomalies and trends
- Provides AI-based analysis on root cause and solutions

With MAREWA 2.0

-  Continuous Monitoring
-  Early Anomaly Detection
-  Root Cause Identification
-  Guided Corrective Action
-  Remote Monitoring by User's Shore-Based Team

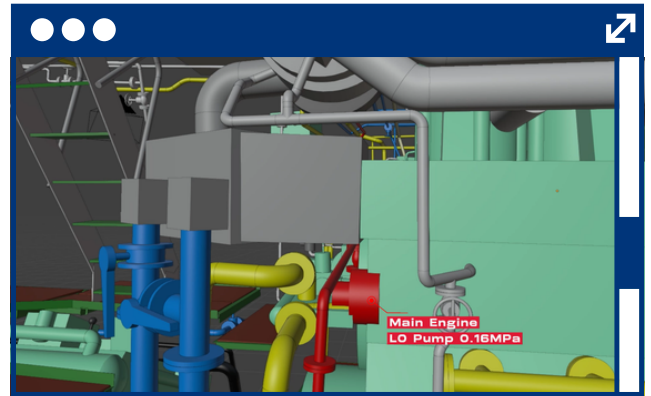
Without MAREWA 2.0

-  Hidden Warning Signs
-  Delayed Response
-  Trial-and-Error Repairs
-  Higher Failure Risk
-  Greater Crew Burden

Talk to us about a plan that fits your operation!

ADDITIONAL FUNCTIONS:

- Digital Engine Logbook
- Display of Engine Operating Hours
- Fuel Consumption Display
- Load Factor Display
- Freezer Temperature Display
- *New* Engine Health Card
- *New* 3DCG Visualisation (Engine Room)



HOW MAREWA 1.0 HELPED OUR CUSTOMER:

- VESSEL TYPE: DISTANT-WATER TUNA FISHING VESSEL
- SITUATION: GRADUAL DECREASE IN LUBRICATING OIL PRESSURE
- OUTCOME: **AVOIDED APPROX. 1 MONTH OF DOWNTIME + CONTINUED OPERATION WITHOUT RETURNING TO PORT**

Item	 Fuel Loss	 Opportunity Cost - Fishing Losses	 Total Avoided Loss
Details	28 days × 2.7 kl/day × ¥99/L	28-day suspension × 2 tons/day × ¥1,500/kg × 0.7	
Estimated Losses	Approx. ¥7,484,400 (≈USD 49,700)	Approx. ¥58,800,000 (≈USD 390,000)	Approx. ¥66,284,400 (≈USD 440,000)

*Exchange rate is calculated based on the rate at the time of the incident.

