

DAIKAI



**DAIKAI
ENGINEERING
PROFILE**



COMPANY PROFILE

Daikai Engineering was established in Singapore in 1992 to provide sales of Diesel engines, spare parts and repair services in the Asia Pacific region.

Our highly trained engineers are committed to the needs of our customers. We are dedicated to providing professional support and building strong partnerships with our customers throughout the entire life cycle of our products and beyond.



Mikio Kaneda
Managing Director

OUR UNDERTAKINGS

- Sales of marine / land equipment and spare parts.
- Installation of marine equipment and Diesel power plants.
- Reconditioning, overhauling and repairs of marine / industrial engines and equipment.

Daihatsu Infinearth

Daihatsu Infinearth Mfg. Co., Ltd. is the pioneer in the field of Propulsion and Auxiliary engines for both marine and land applications since 1907.



**Installation of Daihatsu Engine 6DK-20
onboard the vessel Shaktidoot**



Daihatsu Engine 6DE-23



Daihatsu Engine 6DC-32e

MARINE APPLICATION



KMP SHANAYA 120m RoRo Passenger Ferry, Daihatsu Propulsion Engine 6DKM-36e(L) and Daihatsu Generator 6DE-18



TRUONG MINH DREAM 01 65,000 DWT Bulk Carrier, Daihatsu Generator 6DE-18 with SCR system



THOR-BREEZE and BRAVE Bulk Carrier, Daihatsu Generator 6DK-20



TUHAA PAE IV Cargo and Passenger vessel, Daihatsu Propulsion Engine with Gearbox and Kamome FP Propeller



AL WATANIAH IV Oil Tanker, Daihatsu Propulsion Engine 6DKM-36 and Gearbox, Daihatsu Generator 6DK-20 with Kamome FP Propeller, CP Thruster and Shoyo Performance Monitoring System



CHULAN - 1, 2, & 3 Chemical Tanker, Daihatsu Propulsion Engine 6DKM-36, Daihatsu Generator 5DC-17, Hitachi Nico Gearbox and Kamome FP Propeller



BHASA SAINIK DR. GOLAM MAWLA Ro-Ro Ferry vessel, Daihatsu Propulsion Engine 6DEM-18 and Gearbox

MARINE APPLICATION



NAUTICA MAHARANI Oil Tanker, Daihatsu Propulsion Engine 6DKM-36 with Chongqing Gearbox and Kamome FP Propeller



MV ARUN Bulk Carrier, Daihatsu Generator 6DE-18



POESTELLA, ROTELLA, LILSTELLA & ORCTELLA Asphalt Carrier, Akasaka Main Engine 6UEC33LSE-C2



DH-ADMIRAL, BLOSSOMING, CONCORD & DILGENCY Chemical Tanker, Akasaka Main Engine 6UEC33LSE-C2



KAI EI MARU - 8 and 15 Bunker Tanker, Akasaka Main Engine A45SR



LT-AMBER & BERYL Asphalt Carrier, Akasaka Main Engine A38S



KAN WO Asphalt Carrier, Akasaka Main Engine 6UEC33LSIII

MARINE APPLICATION



NCA80E series Diesel Electric AHTS, Daihatsu Generator 6DE-23



PSV-NCP4000E series Diesel Electric PSV, Daihatsu Generator 6DE-23



TARUA 302, Daihatsu Propulsion Engine 6DKM-26e



GOM 8, Daihatsu Propulsion Engine 8DCM-32eF(L)



TARUA 120, Daihatsu Propulsion Engine 6DKM-20e



TARUA 303, Daihatsu Propulsion Engine 6DKM-28e(F)(L) with Kawasaki Rexpeller



PW BAHAGIA, Daihatsu Propulsion Engine 6DKM-26e with Schottel SRP thruster



TARUA 123 Buoy Tender vessel, Daihatsu Propulsion Engine 6DKM-20e and Gearbox

MARINE APPLICATION



NTT-BATIK, BERCHAM, BERUAS, BIDOR, Daihatsu Propulsion Engine 8DKM-28eF(L) with Kawasaki Rexpeller and Jason FiFi



NTT-LARUT, LUMUT, Daihatsu Propulsion Engine 6DKM-26e(F)(L) with Kawasaki Rexpeller and Jason FiFi



NAUTICA TG. PUTERI XVI, Daihatsu Propulsion Engine 6DKM-20e with Berg BAT thruster



DEPU OSV, Daihatsu Propulsion Engine 6DKM-28e with Kamome CP Propeller



ASENG FPSO, Daihatsu Generator 8DK-20



FSO UOTE, Daihatsu Generator 6DE-23



HEUNG WOO FD22000 Floating Dock, Daihatsu Generator 6DE-18



PW BERGUNIA, Daihatsu Propulsion Engine 6DKM-26e with Schottel SRP thruster

INDUSTRIAL APPLICATION



NPC BOAC Diesel Power Plant, Marinduque, Philippines, 4 x 1.0 MW 8DK-20 Modular Daihatsu Generator



SESCO Limbang New Power Station, Malaysia, Daihatsu Generator 12DK-32B



BRB Energy Limited, Bangladesh, Daihatsu Generator 8DK-36 & 12DK-36



Tube Products of India, Daihatsu Generator 12DK-36

INDUSTRIAL APPLICATION



**Renata Limited,
Bangladesh, Daihatsu Generator
6DK-26**



**NTU Maritime Energy Test Bed,
Singapore, Daihatsu Generator
6DK-26e**



**EOS TEXTILE Limited,
Bangladesh, Daihatsu Generator
6DK-28**



SERVICE & REPAIR

We specialize in the installation, commissioning, repair, and troubleshooting of marine and industrial engines and equipment, including turbochargers, deck machinery, pumps, and compressors.



Overhauling of engine parts at the Daikai workshop



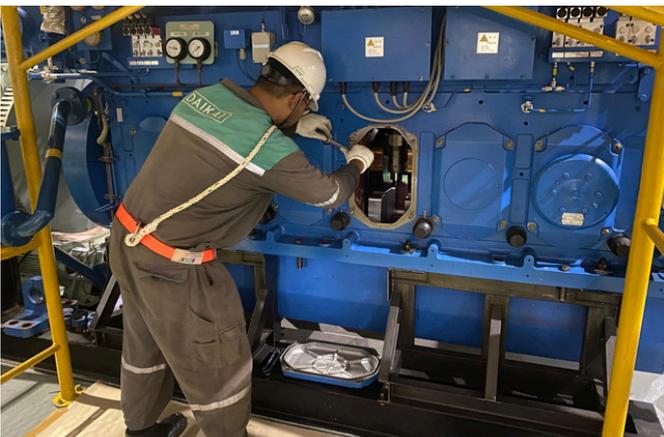
Kamome CP propeller installation



Turbo-charger overhauling



Milling machine operation



Our experienced team of engineers, supervisors, and technicians are professionally trained by the equipment manufacturers



Laser welding of metal compounds and deposition welding for cylinder head and liner reconditioning

TRAINING

We offer comprehensive training programs for managers and ship crews in Singapore, India, Philippines and Dubai. These programs include extensive hands-on sessions using actual equipment.

We also provide on-site training at the customer's preferred location.





Daihatsu Infinearth

- Propulsion Engine
- Generator Engine
- Gearbox
- SCR



Mitsubishi Heavy Industries

- MET Turbo Charger
- Deck Crane



Japan Engine Corporation

- Propulsion Engine



Akasaka Diesels Limited

- Propulsion Engine



Miura

- Ballast Water Management System G/E
- Exhaust Gas Heat Recovery Unit
- Thermal Oil Heater
- Composite Boiler / Auxiliary Boiler
- Shipboard Incinerator
- Fresh Water Generator
- Micro Plastic Pollution Collection System
- Water Purifier



Kamome Propeller

- Fixed and Controllable Pitch Propeller
- Fixed and Controllable Pitch Thruster
- K7 High Lift and Gate Rudder



Naniwa Pump

- Centrifugal, Screw and Gear Pump



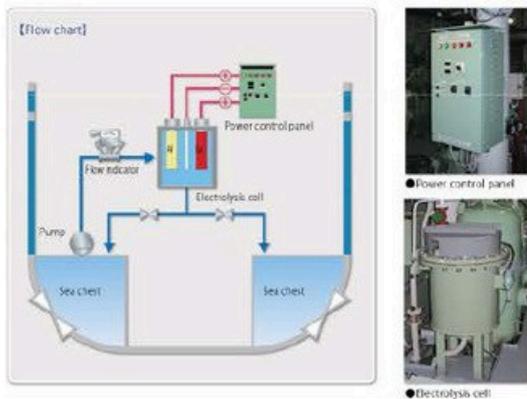
Daikin MR Engineering

- Deck Unit
- Refrigeration Condensing Unit
- Packaged AC and Galley AC



Sanko Engineering

- Screw and Gear Pump
- Gearbox



Kanadevia

- Marine Growth Prevention System



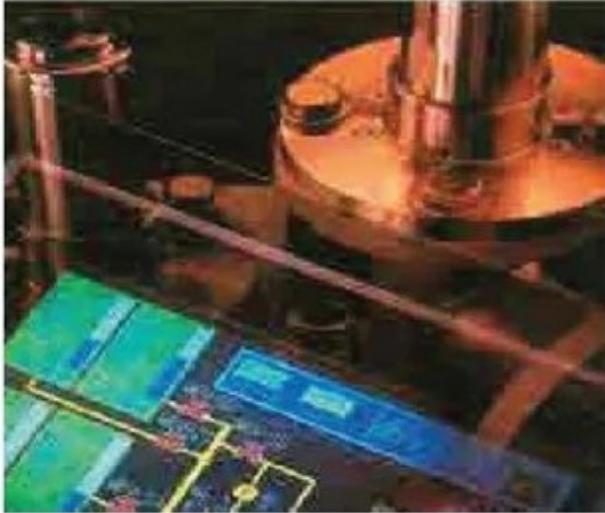
Chongqing Gearbox

- Marine and Industrial Gearbox



Meiyo Electric

- Thermo Resistance Bulb
- Pressure Transmitter
- Thermometer
- Speed Relay



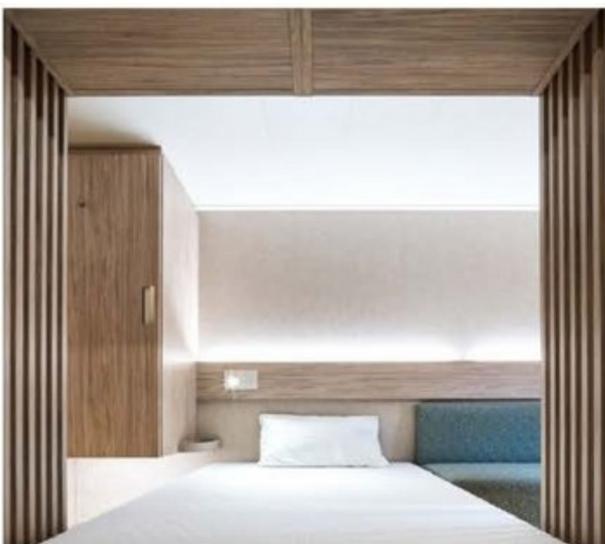
Utsuki Keiki

- Inclinometer
- Ballast Remote Control System



Heishin Kikai Kogyo

- Bilge Separator
- Bilge Alarm Unit
- Electric Motor
- Oil Discharge Monitoring and Control System



Nagasaki Sempaku Sobi

- Marine Vessel Interior Design



Jonghap

- Ozone UV Complex System Water sterilizer
- Lashing Belt for Pure Car Carrier



Rhino

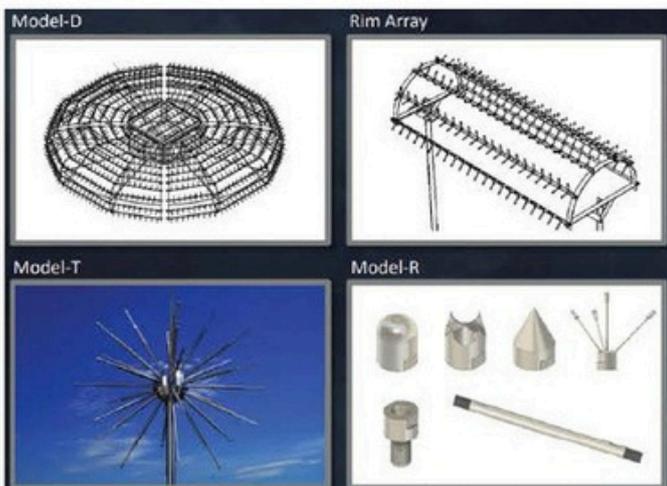
- Marine Crane



FE-made SOx scrubbers using cyclone technology

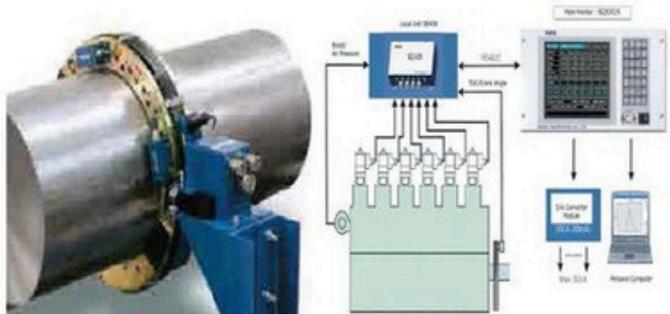
Fuji Electric

- Scrubber System



Critical Facility

- Advance Lightning Protection System for Residential / Industrial and Marine



Shoyo Engineering

- Shaft Horsepower Meter



ContiOcean

- Scrubber System / Scrubber Pump
- Lashing
- High Pressure Water Jet
- FGSS
- Carbon Capture Technology



Hansun

- Sewage Treatment Plant
- Oily Water Separator
- Bilge Alarm
- Reverse Osmosis Water Maker



Nippon Yuka Kogyo

- MGPS
- Chemical FO/LO/CW additives



BRB

- Electrical cables for Marine and Industrial



NBS

- Special valve maintenance service for LNG carrier



Boltech

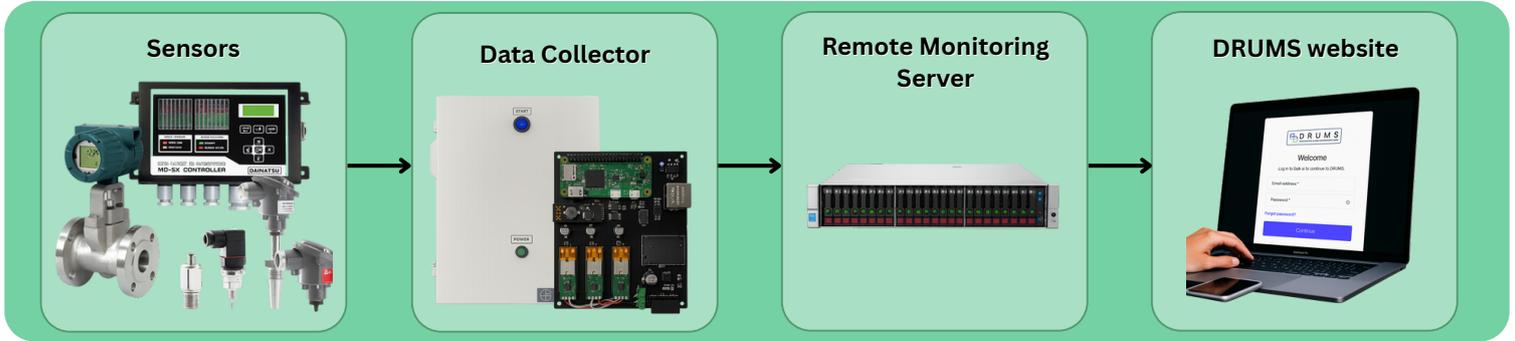
- Double Spiral Water Flow 'Chlorine Attacker'
- Marine growth prevention device

DRUMS

DAIKAI Remote Ubiquitous Monitoring System

What is DRUMS ?

DRUMS is a remote monitoring solution for marine and industrial equipment, capturing and visualizing real-time performance data.



DRUMS Features

- Real-time monitoring and data visualization
- Secure data transmission to a private cloud for analysis and anomaly detection.
- Email alerts notify users of issues to help prevent damage and downtime.
- View and download data

DAIKAI REMOTE UBIQUITOUS MONITORING SYSTEM

DRUMS offer various benefits such as improved reliability and equipment efficiency at a lower cost. Reduce maintenance costs and downtime by allowing users to identify and address problems before they become more serious.

Used by 00 Users
Monitoring 04 Vessels
Across 02 Countries

DRUMS Webpage

513.8°C
T/C Outlet Temp

301.8°C 299.8°C 299.8°C 319.8°C 366.8°C 291.8°C

Cyl1 Ex Temp
Cyl2 Ex Temp
Cyl3 Ex Temp
Cyl4 Ex Temp
Cyl5 Ex Temp
Cyl6 Ex Temp

402.8°C
T/C Inlet 1

419.8°C
T/C Inlet 2

6.3 MPa
C.F.W Pressure

6.3 MPa
FO Inlet Pressure

57.8°C
LO Inlet Temp

6.5 MPa
LO Inlet Pressure

DRUMS Dashboard

show me: T/c inlet temp for last 6 hours

Historical Data for NO.2 DG EXH. GAS T/C INLET 1 TEMP, NO.2 DG EXH. GAS T/C INLET 2 TEMP H, NO.2 DG EXH. GAS TEMP, T/C OUTLET (3/3 sensors) - Units: °C

• NO.2 DG EXH. GAS T/C INLET 1 TEMP (°C) • NO.2 DG EXH. GAS T/C INLET 2 TEMP H (°C) • NO.2 DG EXH. GAS TEMP (°C)

Reset Zoom Download Toggle Pan

AI Chatbot

Critical Alert for Vessel: Marine Charlie Inbox x

DRUMS Alerts <drums@daikai.com>
to me

A critical temperature warning has been detected on your vessel.

Vessel Name: Marine Charlie
Serial Number: DK620E0314
Channel Description: PORT Exhaust No.3 Cyl temperature
Value: 820.0
Exceed Timestamp: 2024-11-30 10:04:23 UTC

Alert Emails

SINGAPORE

Daikai Engineering Pte. Ltd.

128 Pioneer Road Singapore 639586
Tel : +65 6863 2856
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South Jakarta, 12920 Indonesia
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email: sales@keitoku.com

INDONESIA (Batam Workshop)

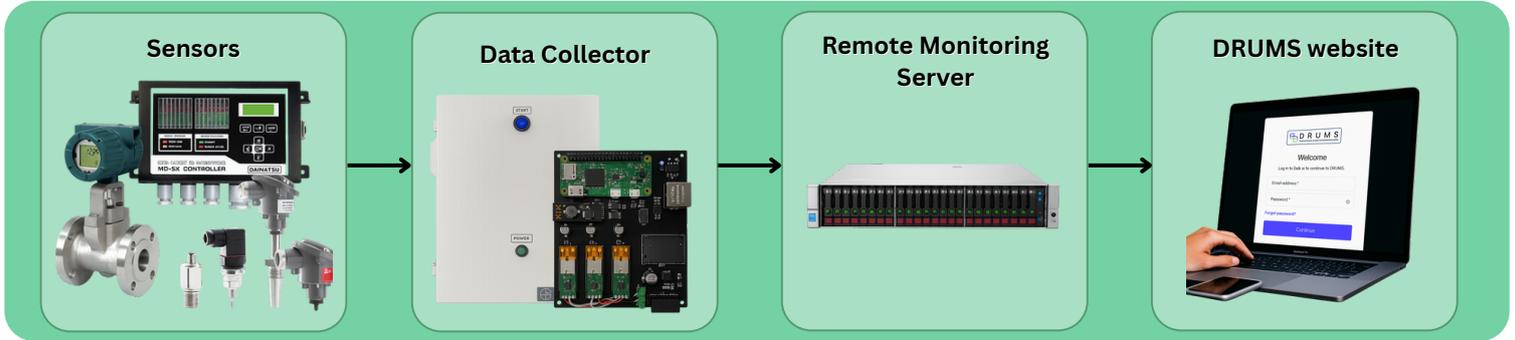
Bintang Industrial Park II Blok G-26, Tanjung
Uncang, Batam, 29425 Indonesia
Tel: +62-778 5522 666
email: sales@keitoku.com

DRUMS

(DAIKAI Remote Ubiquitous Monitoring System)

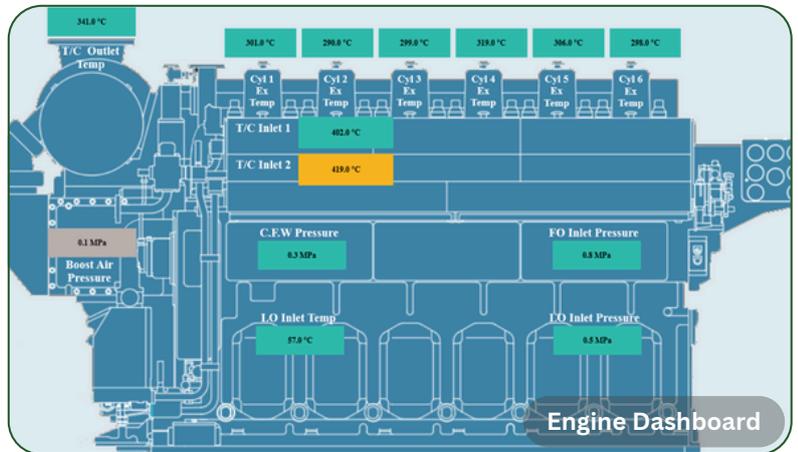
What is DRUMS ?

DRUMS is a remote monitoring solution for marine and industrial equipment, capturing and visualizing real-time performance data.



DRUMS Features

- **Dashboards**
 - Real-time monitoring
 - Engine
 - Power
 - Data visualization
 - Digital data
 - Analog data
- **AI Chatbot**
 - Instant answers & support from onboard data
- **Email Alerts**
 - Notify users of issues to help prevent damage and downtime
- **Secure Cloud**
 - Encrypted data transfer to a private cloud for analysis & anomaly detection
- **Data Access**
 - View and download data anytime



DRUMS AI Assistant

DRUMS AI Marine Assistant

Hi! How can I help you today? If you aren't sure how to use me, please type help.

[OK] Selected Engine 1

Here are the current exhaust gas temperatures for each cylinder:

- NO 1 DG CYL1 EXH. GAS TEMP: 72.0°C
- NO 1 DG CYL2 EXH. GAS TEMP: 72.0°C
- NO 1 DG CYL3 EXH. GAS TEMP: 72.0°C
- NO 1 DG CYL4 EXH. GAS TEMP: 72.0°C
- NO 1 DG CYL5 EXH. GAS TEMP: 72.0°C
- NO 1 DG CYL6 EXH. GAS TEMP: 72.0°C

All cylinders are currently operating at a consistent temperature of 72.0°C. If you have any further questions or need additional information, feel free to ask!

Ask about engine parameters, compare engines, or request historical data.

Critical Alert for Vessel: Marine Charlie Inbox x

DRUMS Alerts <drums@daikai.com> to me ▾

A critical temperature warning has been detected on your vessel.

Vessel Name: Marine Charlie

Serial Number: DK620E0314

Channel Description: PORT Exhaust No.3 Cyl temperature

Value: 820.0

Exceed Timestamp: 2024-11-30 10:04:23 UTC

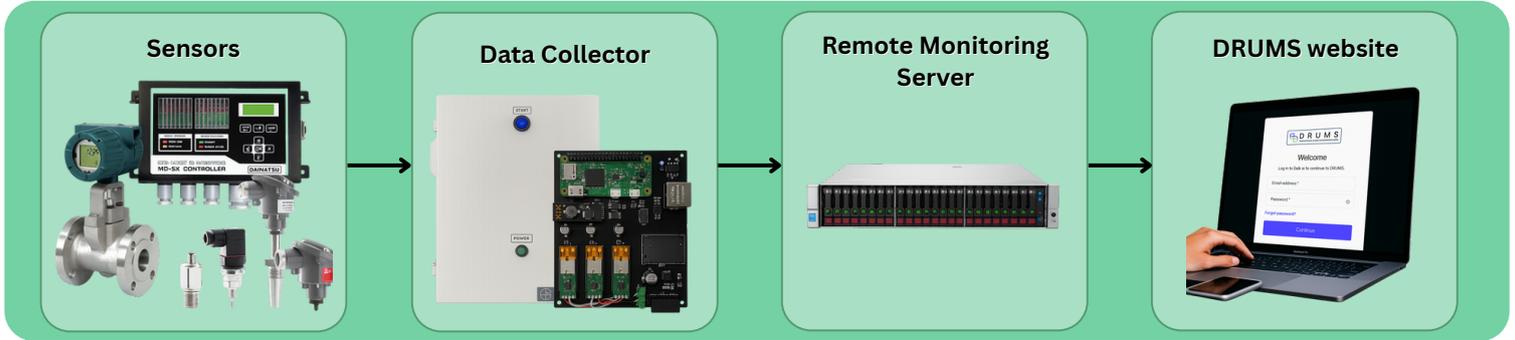
Alert Email

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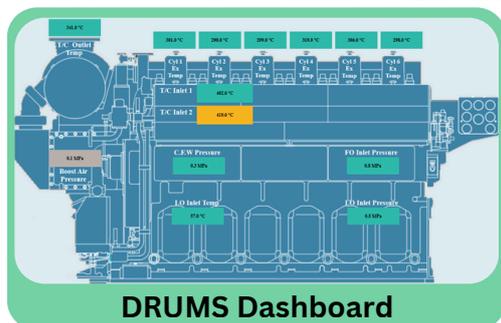
DRUMS Features

- Real-time monitoring and data visualization.
- Secure data transmission to a private cloud for analysis and anomaly detection.
- Email alerts notify users of issues to help prevent damage and downtime.
- View and download data.

DAIKAI REMOTE UBIQUITOUS MONITORING SYSTEM

DRUMS offer various benefits such as improved reliability and equipment efficiency at a lower cost. Reduce maintenance costs and downtime by allowing users to identify and address problems before they become more serious.

- Used by 06 Users
- Monitoring 04 Vessels
- Across 02 Countries



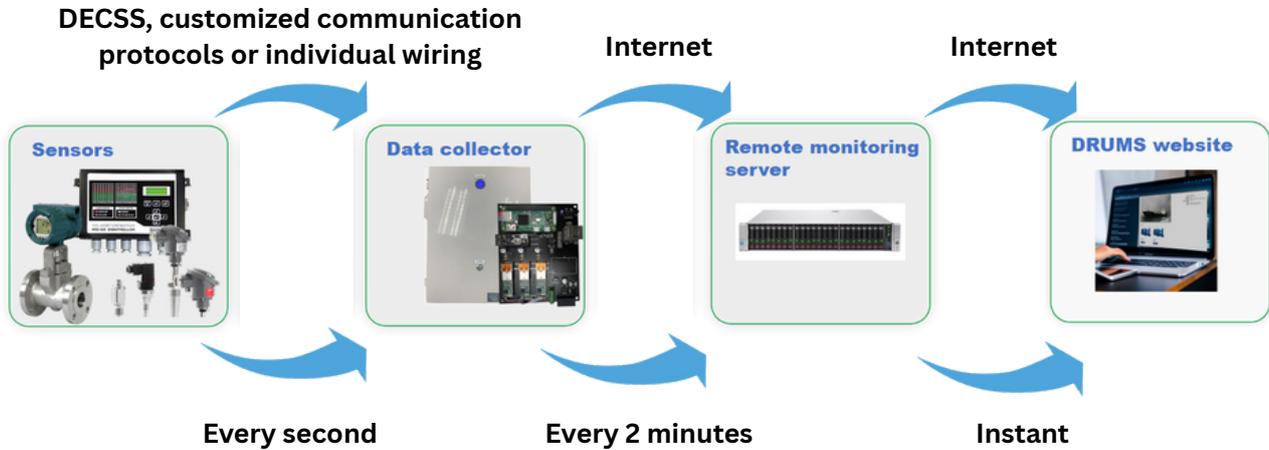
AI Chatbot

Alert Emails

DRUMS

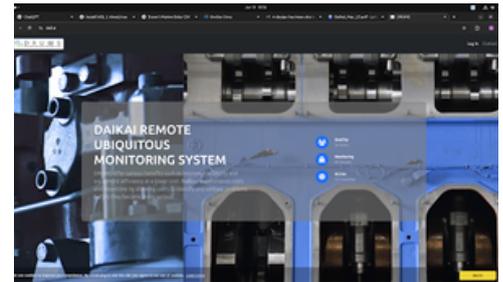
(DAIKAI Remote Ubiquitous Monitoring System)

DRUMS is a data collection system. The collected data can be used to remotely monitor the performance of equipment such as diesel engines.

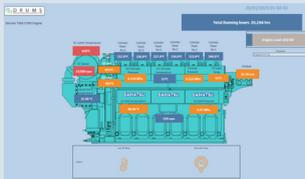


DRUMS Features

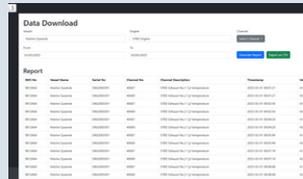
- Real-time monitoring and data visualization
- Compatible with mobile devices
- Interactive AI assistant to answer customer queries
- Automated alerts for anomalies & critical issues
- View and download data



DRUMS Webpage



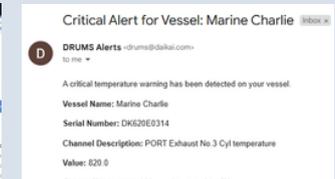
DRUMS Dashboard



Data Download



AI Chatbot



Alert Emails

Why DRUMS?

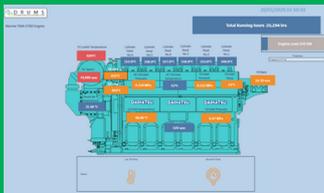
- Smart, low-cost system for equipment monitoring.
- Secure data transmission to a private cloud for analysis and anomaly detection.
- Email alerts notify users of issues to help prevent damage and downtime.

DRUMS

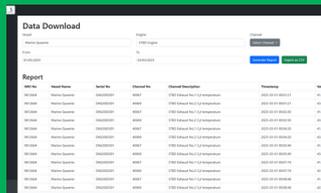
(DAIKAI Remote Ubiquitous Monitoring System)

DRUMS is a smart remote monitoring solution for marine and industrial equipment, capturing and visualizing real-time performance data from engines, gearboxes, and more. This empowers users with insights that drive efficiency, reliability, and smarter decisions

FEATURES



DRUMS Dashboard



Data Download



AI Chatbot

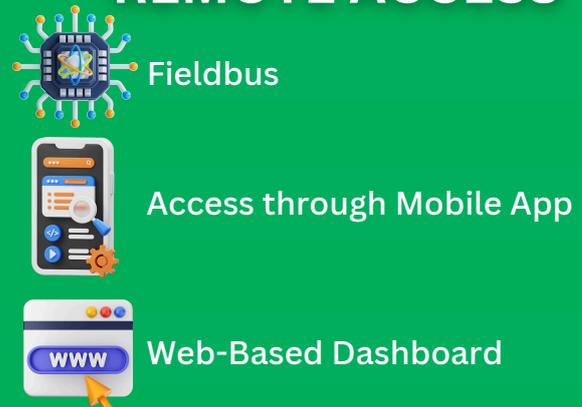


Alert Emails

SYSTEM OVERVIEW



CONNECTIVITY & REMOTE ACCESS



WHY DRUMS?

- Smart, low-cost system for equipment monitoring.
- Secure data transmission to a private cloud for analysis and anomaly detection.
- Email alerts notify users of issues to help prevent damage and downtime.

DRUMS

(DAIKAI Remote Ubiquitous Monitoring System)

DRUMS is a smart remote monitoring solution for marine and industrial equipment, capturing and visualizing real-time performance data from engines, gearboxes, and more. This empowers users with insights that drive efficiency, reliability, and smarter decisions.

FEATURES

DRUMS Dashboard | **Data Download** | **AI Chatbot** | **Alert Emails**

SYSTEM OVERVIEW

- Collection of Data Points
- Data Collector
- Cloud Storage
- Visual Insights

CONNECTIVITY & REMOTE ACCESS

- Fieldbus
- Access through Mobile App
- Web-Based Dashboard

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