

# INFORMATION IS POWER

TAKE THE GUESSWORK OUT OF EQUIPMENT MANAGEMENT





# TURN ONBOARD DATA INTO ACTIONABLE INFORMATION

Getting the most out of a vessel's assets is no walk in the park, never mind optimizing the assets of an entire fleet. How do you prevent problems before they cause breakdowns? How do you improve efficiency? How do you operate more safely and sustainably?

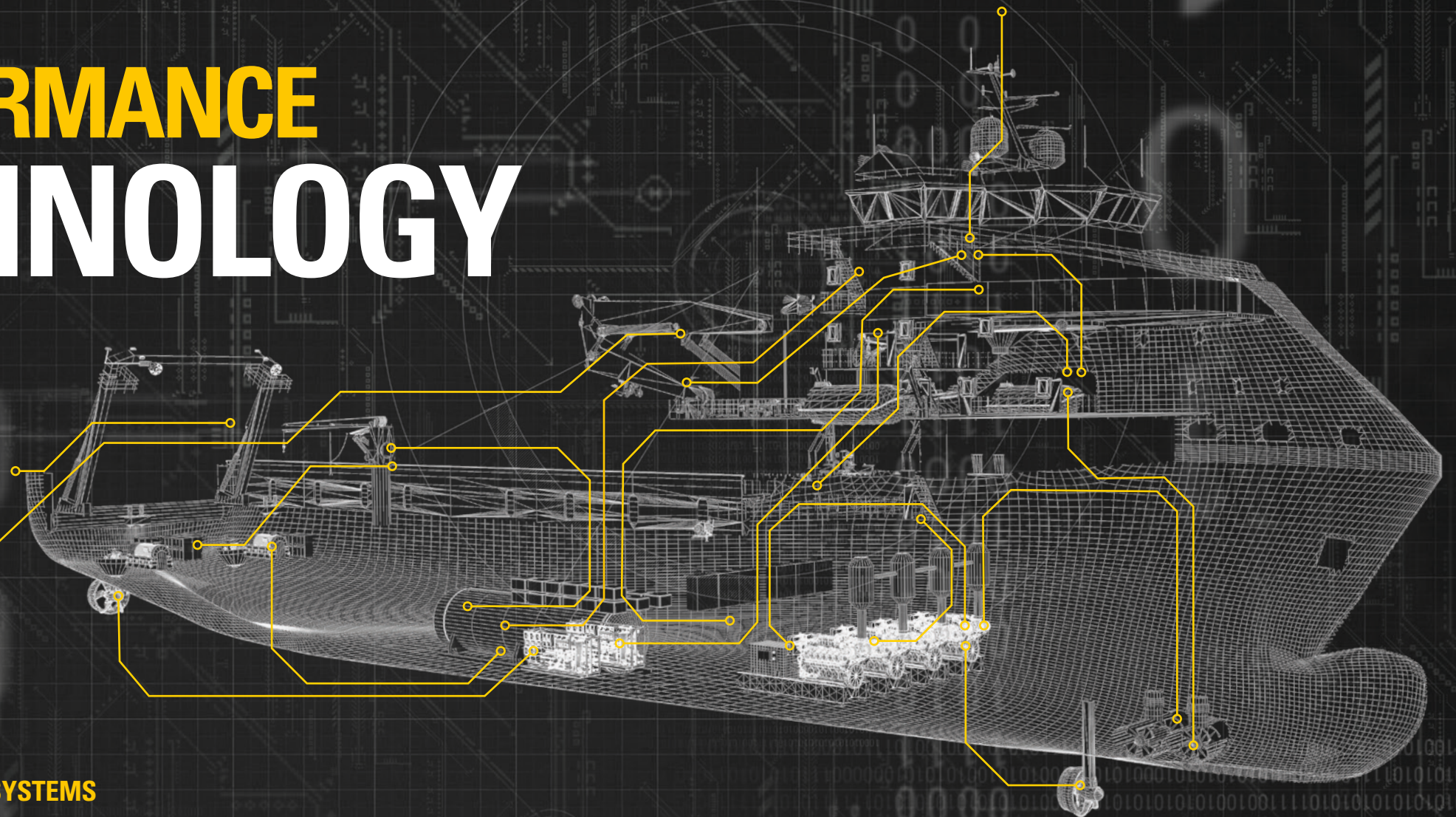
The answers to these challenges lie in the data generated by your onboard equipment, sensors, and control systems. Data that is often seen and acted upon by an experienced crew. But sometimes those answers are buried deep, and then you need a particular intelligence to uncover them and carry out the right actions at the right time to deliver maximum value.

Cat® Asset Intelligence is technology and services that keep a close eye on all your critical onboard equipment — from diesel engines and generator sets to turbines, pumps, compressors and refrigeration. Helping the crew and vessel managers onshore optimize maintenance, predict and avoid failures, boost productivity, increase fuel efficiency, and ensure safety and compliance.





# IMPROVE PERFORMANCE WITH TECHNOLOGY



## ADVANCED ANALYTICS

Automated analysis is continually occurring onboard and onshore. Advanced analytics, along with smart data capture and a reliability-centered methodology, provide critical and actionable advisories, not just remote monitoring.

## 22,000 YEARS OF EXPERIENCE

Analytics based on reliability studies and refined over 40M hours of machine learning means 22,000 years of experience. This helps to identify the problem – before it becomes a problem.

## INCREASE UPTIME

Downtime is never an option. Maximize uptime and productivity by maintaining and operating equipment for maximum performance. Save downtime with longer service intervals and reduce the total cost of ownership.

## PREDICT AND AVOID FAILURES

Advanced analytics help identify problems – before they become problems.

## CRITICAL SYSTEMS

Information is power and Caterpillar Marine technology monitors the right systems with the right algorithms to help you make the right operational and maintenance decisions.

## OVER 85 OEMS

Many manufacturers rely on OEM solutions to create unique equipment to meet the needs of any project. With Cat® Asset Intelligence you can enjoy seamless and smooth integrations with any enterprise system, regardless of manufacturer or type of equipment.

## SAVE FUEL

Reduce total vessel fuel burn and increase fuel efficiency. Ensure fuel accountability and avoid fuel theft.

## MULTIPLE LEVELS OF MONITORING FOR EVERY APPLICATION

Cat Asset Intelligence can be tailored to meet your operational goals for your engines, your vessel, or your entire fleet. Whether you only want to access the data, be informed of an unsafe condition, or be advised on how to improve the efficiency of your operation, Caterpillar Marine has the right combination of technologies and services for your business.

Business intelligence activities such as data availability, standard reports and alerts, ad hoc reports, query and drill down, and trending are all available to build your solution. Analytics include statistical analysis, forecasting and extrapolation, predictive modeling, and optimization.



# ASSET INTELLIGENCE SERVICES ENABLE VALUE CREATION IN A NUMBER OF WAYS

## **INCREASE UPTIME AND REDUCE OPERATING COSTS**

Know the location, health, and efficiency of your vessels and detect problems before they happen using data and inspections receive expert recommendations and reduce costs through preventive maintenance, fleet optimization, and equipment lifecycle management.

## **MONITOR PRODUCTIVITY AND MANAGE VESSEL EFFICIENCY**

Receive accurate information on daily operations and boost your production with increased efficiency. Use production data to enhance performance and identify ownership options for various user needs.

## **ENHANCE AWARENESS TO KEEP PEOPLE AND EQUIPMENT SAFE**

Precisely track equipment locations and avoidance zones while reducing the risk of injuries. Apply remote controls in harsh or challenging environments and promote a positive safety culture.

## **REDUCE ENVIRONMENTAL IMPACT AND SIMPLIFY COMPLIANCE**

Make compliance reporting easier with better emission monitoring and reduce emissions by burning less fuel. Optimize owning and operating costs while lowering costs of regulatory reporting.



# GET CONNECTED

Cat® Asset Intelligence is an advanced, automated vessel monitoring and analytics system that can be tailored to a vessel or even an entire fleet.

Find out how Cat AI can help you overcome your most important challenges in equipment management, productivity, sustainability and safety. And in the same time improve your operations and your assets by helping you to optimize maintenance. Talk to your local Cat dealer or learn more at [www.cat.com/marine](http://www.cat.com/marine)

## TALK TO US

**BUILT FOR IT.™**

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