

TM Synergia

Empowering Smarter,
Data-Driven Maritime Operations

TM Synergia

Unlock the Power of Data for Efficient Maritime Management

TM Synergia by Tototheo Global brings together your vessel data, systems, and processes into one powerful, easy-to-use platform. Designed specifically for the maritime industry, TM Synergia enhances operational efficiency by providing advanced analytics, real-time monitoring, and comprehensive decision support.

From fleet performance to regulatory compliance, TM Synergia helps you streamline your maritime operations, optimize voyages, and reduce emissions, all while maintaining full control over your fleet.

TM Synergia

Key features

Real-Time Vessel and Weather Monitoring

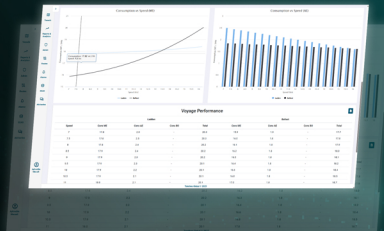
Monitor your vessel's location and weather conditions in real-time, using multiple data sources such as S-AIS, T-AIS, and Inmarsat C polling. TM Synergia ensures you never lose sight of your ships, no matter where they are.



Advanced Analytics

Our advanced analytics tools assess energy efficiency and track critical performance metrics. You can monitor the condition of your main engine, hull, propellers, and more.

Custom KPIs and a scorecard system provide you with tailored insights into each vessel's performance, helping you optimize maintenance and fuel efficiency.



Weather Routing

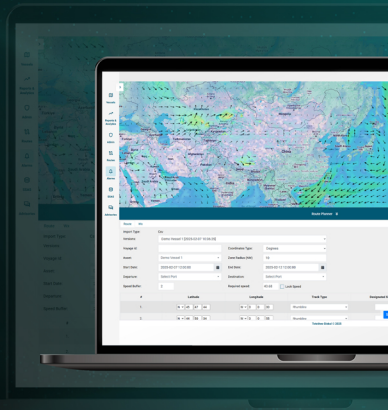
Optimize your voyages by choosing the most efficient route based on forecasted weather conditions and vessel-specific parameters. TM Synergia's weather routing capabilities not only reduce fuel consumption but also ensure safer journeys and lower operational costs.

EU ETS and Regulatory Compliance

TM Synergia makes it easier to comply with regulatory frameworks like the EU Emissions Trading System (ETS) and IMO's Data Collection System (DCS). Our platform helps you generate accurate, real-time emissions reports and simulate future emissions, ensuring that your fleet stays within regulatory limits.

IMO DCS and EU MRV Regulatory Reporting

Simplify environmental reporting with our automated solutions, focusing your efforts on operations while we handle the complexities of compliance.

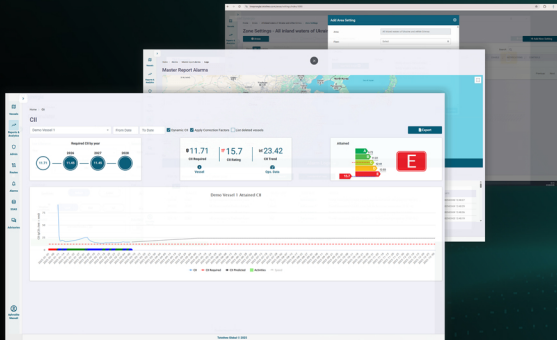


Carbon Intensity Indicator (CII) Compliance

TM Synergia provides a comprehensive solution to monitor and manage your fleet's carbon emissions. With our real-time dashboard, you can track emissions, simulate scenarios, and optimize routes to meet CII compliance and reduce costs.

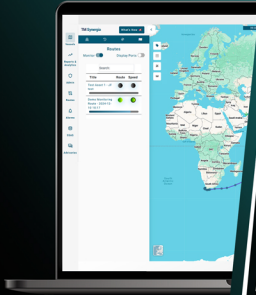
Alarms & Alerts

Stay ahead of potential issues with alerts based on geofencing, stoppages, speed deviations, route changes, and vessel telemetry. These automated alarms help you respond swiftly to irregularities, ensuring smoother operations.



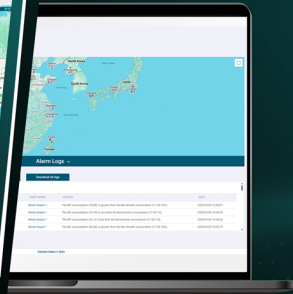
Ship Security Alert System (SSAS)

Innovative approach through continuous data pre-auditing and pre-verification. Manual work is eased using environmental reporting experts so you can focus on the frontline while we take care of tedious verification and reporting for you.



Independent Voyage Claims Report

Do not rely on just one source. Verify weather reports using an independent weather source to prevent extensive discourse in your claims process and ensure quick resolution due to an independent view of voyage performance.



FuelEU

Effortlessly meet the 2025 FuelEU Maritime regulations with Tototheo's FuelEU Module. Monitor, manage, and stay compliant with GHG intensity requirements while optimizing your fleet's efficiency.

FEATURES:

GHG Intensity Monitoring

Track GHG emissions per fuel type and voyage against regulatory targets.

Streamlined Data Collection

Process fuel consumption data from noon reports for structured compliance tracking.

Penalty Prevention & Compliance Balance

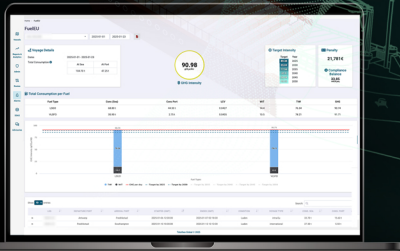
Identify compliance gaps and projected penalties before they impact operations.

Fuel Consumption Insights

Monitor fuel usage at sea and in port, broken down by LSGO, VLSFO, and other fuels.

Performance Dashboards

Compare GHG intensity against FuelEU targets (2025, 2030, 2040, and beyond) for strategic decision-making.



Why TM Synergia is the Smart Choice for Your Fleet

Increased Efficiency

Streamline operations with real-time data, reducing manual work and boosting productivity.



Better Decision-Making

Use data-driven insights to optimize fleet performance and improve profitability.



Enhanced Safety

Continuous monitoring and instant alerts ensure safer voyages and quick response to risks.



Lower Maintenance Costs

Predictive analytics help prevent breakdowns and minimize downtime.



Cost & Fuel Savings

Optimize fuel consumption and reduce operational costs with smart route planning.



Optimized Voyages

Plan the best routes with real-time weather and vessel performance data.



Simplified Compliance

Easily meet emissions regulations with automated reporting for CII, EU ETS, and IMO DCS.



Centralized Fleet Management

Manage your entire fleet from a single, easy-to-use platform.



Sustainable Operations

Reduce your carbon footprint while improving fuel efficiency and complying with environmental standards.



Long-Term Savings

Reduce costs and improve operations for strong returns on investment over time.

