

Expert-Driven Vessel Performance Optimization Software and Service Platform

Powered by DanelecConnect

Tres Solutions (Tres) helps the world's leading shipping companies unlock value by improving data quality, reducing fuel consumption, minimizing emissions and improving operational efficiency.

Tres' core **Tres Vessel Analytics (TVA)** platform focuses on holistic improvement, from reporting & monitoring to diagnosis & solutions. Our approach has helped customers reduce fuel consumption from 2-14%.

TVA services include access to the Tres performance center and in-house specialists, who work closely with crews and shore teams to improve reporting and support ongoing performance initiatives.


Combining Danelec's efficient, low-cost shipboard data collection and data transfer platform with Tres' advanced software and performance expertise allow customers to minimize sub-optimal operations and unlock additional savings from more granular data and better insights.

"Tres partners with shipping companies to transform their fleet performance through data. Customers trust us because we deliver practical, meaningful results through a best-in-class software platform and highly experienced performance team."

Aaron Holton, CEO, Tres Solutions

TVA Features and Functionalities


- 24/7 monitoring and performance consulting through the Tres performance center
- Direct communication with vessels and shore-based teams
- Vessel-specific performance models
- Hybrid reporting platform integrating manual reported and real-time data with real-time feedback to crews
- Main Engine and Auxiliary Engine performance monitoring
- Hull and propeller performance monitoring
- Charter party compliance and claims support
- Decision-support tools, including fleet performance, voyage analysis, fuel tables, emissions module, bunker planning and voyage planning, among others
- Custom reports, including monthly scorecards with reporting and performance KPIs
- Real-time performance alerts
- EU MRV and IMO DCS system certification

2-14%
Annual fuel savings potential



US\$380k
Realized savings per vessel per year for a notable tanker owner

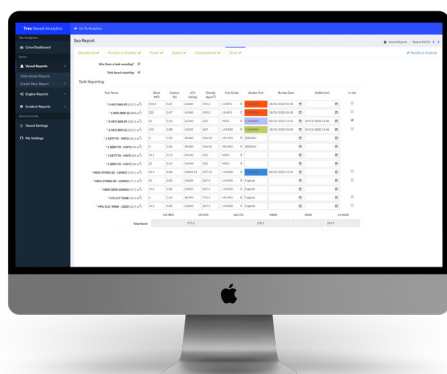


20x
Potential ROI based on existing customer case study

Tres leverages high quality data to drive performance-focused initiatives for your fleet. Our savings as a service approach has proven to improve vessel performance and operational efficiency.

Tres Value Proposition

- **Flexible approach:** dynamic data connection and shore based analytics are customized to meet client's needs
- **Expert-driven model:** Experienced team of marine engineers, officers, naval architects, software engineers and corporate strategists provide a well-rounded focus on customer impact and value creation
- **Data quality assurance:** TVA has exhaustive system validations and a team of performance specialists monitoring reports 24/7 to ensure the highest quality of data
- **Holistic performance optimization:** Tres helps customers identify non-performing vessels using a holistic approach to performance management -- we monitor hull performance, speed management, engine performance, port performance, as well as production and consumption of all energy on board
- **Asset monitoring and optimization:** Tres' engine monitoring program helps extend the useful life of assets and reduce unnecessary maintenance on ships
- **Easy to integrate:** TVA can integrate with third-party software (AIS, weather, Veslink, etc.) and hardware (VDR) systems, providing a single platform solution with actionable insights



24/7/365 performance monitoring and support



global presence in Houston (HQ), Copenhagen, Hamburg and Mumbai



outsourced vessel performance via Tres' "white glove" service



200+ vessels under management

Danelec's ship-2-shore data solutions are powered by the connectivity Hardware modules which pick up analog, digital or serial sensor data throughout the ship for onboard data collection, and connect it to the vessel's existing network and communication infrastructure for data transfer to shore.

The data for the service is collected from various systems, such as onboard flow meters, torque/thrust meters, automation systems, and navigation systems or meteorological services.

Tres Solutions is a leading maritime software and analytics company, providing digital vessel performance solutions that help clients improve data quality, save money, reduce emissions and improve operations. Its core Tres Vessel Analytics (TVA) platform is the fastest growing performance management and optimization system in the market and is deployed on more than 200 vessels worldwide.

For more information, go to www.tressolutions.com or email connect@tressolutions.com.