



Technology
brings
BETTER SOLUTIONS

GreenSHIP for SHIP OPERATION



www.greenship.in

About GreenSHIP

GreenSHIP is the brainchild of Dr. Elangovan Muniyandy, M.E, Dr.Eng, who holds a doctorate in Naval Architecture from Japan. He along with a group of technical expert from different domain (CFD, Modelling, Database, seakeeping, ship operations and software) came together with a single minded devotion to work collectively to indigenously develop Ship Design and operation technology which has hitherto been the sole prerogative of many European and overseas companies.

GreenSHIP objective is to develop technology that takes care of all aspects of ship design and operations. The company is also sensitive to the existing environmental concerns and wishes to do its bit by implementing designs and safe practices that are eco-friendly.

Ship Operations

Route Optimization

GreenSHIP software helps in deciding the most favorable sea route based on weather conditions while simultaneously ensuring on-time arrival and conservation of fuel. The software is designed to increase profitability and efficiency by prudently mitigating risks and optimizing the route.



Speed Optimization

Speed optimization is important not only for fuel conservation, but also for ensuring that the ship reaches its destination on the desired date and time. From the berthing point of view and in terms of ship operations, time translates to money. It becomes imperative for a ship to berth at a place in the scheduled time and date as early or late arrival at the destination leads to cost escalations.

Trim Optimization

The efficiency of any shipping vessel can be judged based on its adaptability to changing environmental conditions and its inherent ability to fine-tune its performance accordingly. Most shipping companies are constantly on the look-out for effective and proven methods of reducing the expensive fuel consumption. Trim Optimization is a sure shot way of reducing fuel consumption by increasing propulsion energy efficiency. Based on the loading conditions, the GreenSHIP software calculates the optimum trim value for varying speed ranges.



Transport Optimization

GreenSHIP understands the indispensability of transport analysis and the need for software tools that can quickly simplify rather than complex and computationally intensive process. Based on mathematical models, the company has designed an efficient tool specifically for this purpose. The tool provides computed details on speed, most conducive time for transport, etc based on past history of weather data and wave motion.

Fuel Optimization

GreenSHIP provides for both pre-voyage and onsite analysis of the ship operations vis-a-vis the fuel consumption to determine the efficiency and also identifies where the consumption is higher and proactively suggests way of reducing it. The data is generated continuously which ensures constant monitoring and optimization.



Ship Performance



GreenSHIP has designed comprehensive onboard decision support software to monitor the ship's key performance indicators, emissions and optimize fuel consumption based on real-time data. Operational data is collected from onboard equipments and analyzed to optimize the engine's performance, and calculate the ideal draft and trim conditions for fuel efficiency.

Green Energy Package

GreenSHIP software is holistic and takes care of each and every aspect of Ship Design, Ship Operations and Transport. Great emphasis has been placed in designing the software to be environmentally friendly and in compliance with the stipulations of international governing bodies. The software is designed as modules and categorized based on the functionality. Customers have an option of selecting the desired module or can opt for the complete package.



Ship Designs



- Hull Modelling
- Hull Transformation
- Powering
- Seakeeping
- Maneuvering
- Stability

We Provide Quality Ship Design and Ship Operation Solutions



Our Aim

Deploy a new technology into maritime industry applications and improve the performance of the ships.

Mission

Shipping transport is the economic and eco friendly for GREENER tomorrow.

Vision

GreenSHIP leads the maritime world.



GreenSHIP Research and Technology

#204, SLR Residency, Gottigere,
BANGALORE – 560 083, India.

+91 80 4201 2748 ☎

admin@greenship.in ✉

www.greenship.in 🌐

