



ECO-Chances

Evaluating your ship's efficiency potential

The challenge: finding the right measures for improved efficiency

Optimising your ship's energy efficiency is a smart business decision. After all, related fuel expenses are one of the most significant costs shipping companies face. But what do you stand to gain through investing in extensive efficiency improvements? And which of the many options available makes the most sense for your ship? ECO-Chances has the answer to these questions.

The answer: ECO-Chances

ECO-Chances is a complete engineering evaluation of your ship or design, conducted by FutureShip, a GL company. With extensive experience and advanced software, including dedicated simulation tools, our experts conduct an exploratory assessment to uncover your ship's hidden improvement opportunities.

Through evaluating your entire ship, identifying viable options and avoiding the wrong measures, you'll achieve the best possible return on your investment.

The evaluation is tailor-made for your ship and includes:

- CFD calculations on the hull form
- Inspection and comparison of CFD results
- Propulsion analysis

- Assessment of wave patterns and local flow details
- Evaluation of main engine layout
- Machinery and components assessment
- Ambient and rating flexibility check

What ECO-Chances delivers

Our experts identify the most promising areas for potential energy efficiency improvements, ranking your options in terms of their benefit to your ship and your business.

You receive a report detailing the results of the conducted assessments and an explanation of the potential advantages and pitfalls of the suggested measures to improve efficiency. This process delivers absolute transparency and provides you with valuable insights for improving your ship or design.

We may also identify areas that indicate significant savings yet require additional expert analysis. In this case, you may also profit from FutureShip's ECO-Solutions consultancy service.



Systems as complex as modern ships offer many opportunities for energy efficiency optimisation. Due to the many interdependencies, only a holistic approach can exploit the ship's full potential.

How you benefit

Combining expertise and dedicated computer analyses, we offer you a transparent answer to the question of whether and how you can improve the efficiency of your ship.

- Your entire ship is holistically evaluated by experts.
- You receive details of all significant, hidden opportunities that you can exploit.
- Warning of dead-end options allows you to avoid unwise expenditures.
- Quantitative estimates suggest which options will contribute maximum return on investment.
- The benefits of efficiency improvements are made transparent to top managers, shareholders and charterers.

FutureShip's competence in consulting

FutureShip, a GL company, specialises in consulting to the maritime industry in the fields of:

- **Maritime Strategy** – We help clients to safeguard long-term profitability by supporting them in making the right strategic decisions
- **Ship Design** – We assist clients to design commercially and technically state-of-the-art vessels, considering life-cycle cost and value.
- **Maritime Operations** – We provide dedicated guidance in questions of maritime operations, offering an integrated and independent perspective.
- **Compliance** – We help our clients to comply with all relevant existing and upcoming regulations in the most cost efficient way.

Our consultancy is backed and complemented by in-depth market intelligence, advanced engineering solutions and sophisticated measurement services.

For more information about how you can benefit from ECO-Chances, please contact us.

One-stop shopping at GL

ECO-Chances offers synergies and integration to other GL services and products:

Ship Operational Software:

FRIENDSHIP-Framework, GL FleetManager, GL ShipManager, GL FleetAnalyzer, GL SeaScout

Trainings:

ISO 9001, ISO 14001, Fuel Saving, EEDI in Practice, Ship Operating Costs Basics



Certification:

EEOI, EEDI, SEEMP, ISO 50001& DIN EN 16001 (Energy Management), ISO 14001 (Environmental Management)

Consulting and Advanced Engineering

ECO-Solutions, ECO-Practices, ECO-Assistant, EEOI Consulting, EEDI Consulting, Design support

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