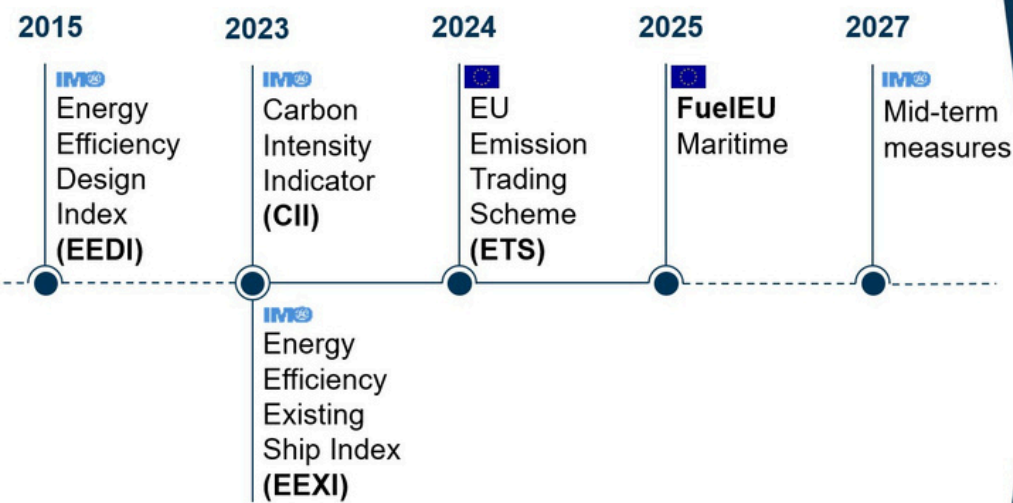




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# The maritime sector is under increasing regulatory pressure to reduce Greenhouse Gas emissions



**Target to reduce GHG emissions vs 2008 by**

- 20-30% by 2030**
- 70-80% by 2040**

## Shipowners will face several challenges while seeking to decarbonize their fleet



Addressing **evolving regulations** and managing penalties



Choosing the **optimal solution** from a large panel of technologies



Deploying the solution with **minimal disruption**



Achieving the highest **Return On Investment**

## Many Technologies, One partner

Goltens supports **all solutions to reduce emissions** from optimizing vessel operations, improving hydrodynamics, increasing machinery efficiency, switching to cleaner fuels, and capturing and storing CO2. We provide **unbiased advice** to determine what works best for each vessel, whether the solution is newly introduced or already proven in the field.

## Global End-To-End Solutions

Launched in 2010, Goltens Green Technologies has **deep expertise in emissions compliance and performance improvement systems**, delivering flexible turnkey or standalone solutions through its Centers of Excellence and global stations

### After-Sales Service

- Global lifecycle support and spare parts logistics
- Post-installation support, monitoring, and compliance

### Monitoring, Analyzing and Reporting

- Monitor emissions and vessel performance in real time
- Benchmark against regulations and identify gaps
- Deploy vessel and fleet dashboards

### Installation and Commissioning

- Turnkey project and installation management
- Yard, voyage, and class coordination
- Sea trials, training, and performance validation

### Purchasing and Fabrication

- Procurement planning across global suppliers
- Purchasing and prefabrication management

### Design Engineering & Class Approval

- Multidisciplinary engineering and advanced modeling (FEA, CFD, 3D)
- System and component design
- Class-approval drawings and BoM

**6 Global Centers of Excellence**

**30+ Specialists Engineers**

**Over 2000+ Complex Retrofits Completed**

### 3D Scanning and Feasibility

- 3D laser scanning and spatial analysis
- Reverse engineering of systems
- Technology feasibility and ROI screening



# Trusted Global Decarbonization Partner

Delivering end-to-end retrofit solutions  
with proven execution at global scale.

Our growing network of pioneering green  
technology partners...



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Goltens has helped the maritime industry navigate change **since 1940**  
With **1,300 employees** in **28 stations** across **15 countries**  
trusted by over **3,200 customers** worldwide