



Environmental Excellence

A tailored approach to best environmental practice in shipping

Environmental performance in the maritime industry is under increasing scrutiny. DNV Maritime Solutions' Environmental Excellence (EnvEx) service line is a tailor made methodology and a toolbox adaptable to different levels of ambition allowing organisations to meet present requirements, go beyond compliance and anticipate future challenges.

EnvEx offers a unique one-stop-shop for environmental solutions, covering all aspects of a vessel's lifecycle from design through to operation and decommissioning.

MAIN CHALLENGES FOR OUR CLIENTS

- Keeping abreast of existing and emerging rules, regulations and requirements
- Finding practical and cost-effective managerial and technical environmental solutions
- Minimising risk of detentions, penalties and fines
- Meeting stakeholder and public expectations and demands
- Demonstrating competitive environmental performance

KEY DRIVERS TO IMPROVE ENVIRONMENTAL PERFORMANCE

- Growing public awareness and increased focus on environmental performance of the maritime industry
- Zero tolerance for spills and non-compliance incidents
- Tighter and better enforced international, national and local environmental rules and regulations
- Financial considerations
- Stakeholder expectations (shareholders, regulators, charterers) and reputation
- Business potential and competitive advantages

BENEFITS

- Minimisation of risks and optimisation of costs
- Improved performance and cost-effectiveness
- Demonstration of business integrity, responsibility and innovation
- Strategic approach to finding environmental solutions
- Benchmarking performance across the organisation and maritime industry
- Branding and differentiation from competitors
- Access to latest technology and best practice

IMPROVEMENT IDENTIFICATION

Define "As is"
Determine "To be"
Data Gathering
Gap Analysis

SOLUTION DEVELOPMENT

Evaluate Options
Select Solutions
Establish KPIs
Define Monitoring Requirements
Determine Competence Needs

IMPLEMENTATION

Plan
Track Performance & Benefits
Continual Improvement
Benchmarking

QUICK WINS IDENTIFICATION

Prioritised Initiatives

PHASE I

PHASE II

PHASE III

Programme Management & Facilitation

Communication & Involvement

DNV Maritime Solutions offer a three phase Environmental Excellence approach across the five key areas:

STRATEGIC ASPECTS

- Sustainability & Corporate Responsibility
- Strategic Planning
- Research & Development
- Investments & Insurance

VESSEL DESIGN

- Use of Materials in Design & Construction
- Energy Efficiency & Emissions Reduction
- Pollution Prevention Technologies

SHIPS IN OPERATION

- Environmental Management Systems
- Best Environmental Practice
- Cost Benefit Analysis
- Environmental Performance Monitoring
- Environmental Competence and Training

PORTS & SHORE OPERATIONS

- Assessment of Development Projects
- Environmental Risk Management

RECYCLING/DECOMMISSIONING

- Inventory of Hazardous Materials
- Recycling Facility Development Projects
- Best Practice in Ship Recycling

THIS IS WHAT WE DO

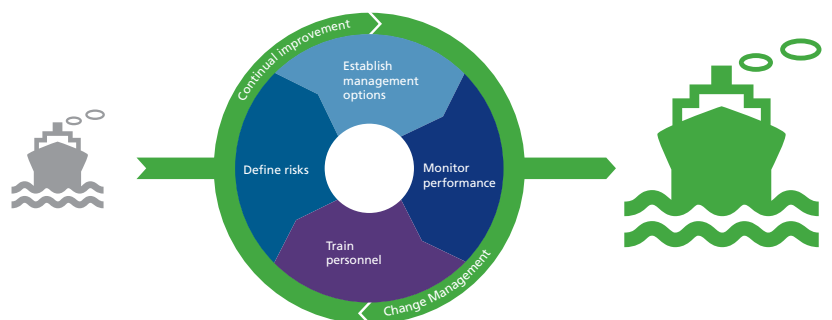
- Offer know-how, develop solutions and transfer knowledge
- Work closely with our clients throughout the process
- Provide insight and expertise on best practices
- Motivate and encourage the people involved

ENVIRONMENTAL EXCELLENCE WORKS

- You can reduce costs & enhance business performance whilst improving your environmental footprint
- You can reduce risks of environmental incidents, detentions and fines
- All solutions are tailored to meet your company's level of ambition and maturity
- Our approach is proven to work

The Environmental Excellence Approach

EnvEx improves your environmental profile and brings tangible results



DNV MARITIME SOLUTIONS

Maritime Solutions is a leading management and technology consultancy, helping our clients in the maritime industry unlock their full potential

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