

# Membership case study: DNV



## DNV's Triple-E Environmental & Energy Efficiency Rating

Environmental rating schemes can play a key role in making environmentally friendly ships stand out in the market; Triple-E is DNV's contribution to making this happen.

### CONTEXT & OBJECTIVES:

Producers of goods and services are increasingly demanding green supply chains, while shipping companies have a business-driven need to show that their ships are environmentally superior. DNV believes that ships documenting good environmental performance will stand out in the market; in response we developed the Triple-E Environmental & Energy Efficiency Rating scheme.

### SOLUTION

**Triple-E™ is a voluntary environmental rating scheme for ships, providing ratings from Level 4 to Level 1, where 1 is the highest.**

The requirements are based on environmental management, ship operation and ship design. The rating is issued based on a verification of a ship's actual energy efficiency and performance and gives a transparent and detailed view of the company's and vessel's environmental performance. Fundamental key elements evaluated include:

- Environmental management systems in place and implemented
- Energy efficient ship design
- Verifiable monitoring, measurements and documentation schemes

Key benefits are;

- Triple-E helps shipowners and operators stay at the forefront of environmental shipping rules and regulations.
- A vessel with a Triple-E rating demonstrates active environmental management and energy efficient transportation of goods, which has been verified by an independent third party

A Triple-E rating will enable a ship operator to prove environmental responsibility and demonstrate energy efficient operations. This can be used in branding the vessel and the company's environmental performance. It is also expected that vessels with a documented environmental performance will increasingly qualify for incentive schemes and preferential treatment from ports and local administrations.

DNV's Triple-E was developed through close working relationships with a handful of DNV's shipping clients within different shipping segments, this secured direction, applicability and buy-in.





## What are the first steps people can take to replicate this idea/initiative?

DNV is of the opinion that environmental rating schemes should be taken up by the maritime industry to a much greater extent than is the case today.

There exist a number of schemes that cater to different needs, what they all have in common is the intent to improve on environmental performance and enhance shipping sustainability.

DNV urges the shipping community to examine what is available, and apply the scheme that is most appropriate for each company's individual business case.

### OUTCOMES

Since it's roll-out a number of ships have joined the fully voluntary scheme. One case is that of Polarcus, a Dubai-based seismic company, that recently achieved DNV's highest standard for environmental and energy-efficient ship operations by being awarded the highest possible Triple-E rating for 6 of its modern seismic vessels.

#### Customer Quote:

"Our strategy is to be a service provider for oil companies operating in areas of high environmental sensitivity, including the Arctic areas. We already see that the documented industry-leading green performance of our vessels gives us concrete credits when bidding for new charter contracts."

**Rolf Rønningen**  
CEO  
Polarcus

In the context of the SSI 2040 vision, DNV believes that replicating this experience across a broad cross section of the shipping industry will help our industry to both navigate a changing economic context where enhanced environmental performance makes good business sense, and to live up to societies' increased expectations to both transparency and shipping environmental footprint.

**More information:**  
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