

# ECOSHIPS



eco-smart  
ship management



[ecoships.com.tr](http://ecoships.com.tr)



# about us

Ecoships, a fully owned subsidiary of Newport Shipping Group, is a technical ship management company specializing in eco-friendly and fuel-efficient shipping tools, techniques and technologies. Ecoships is incorporated and located in Istanbul, Turkey.

Ecoships provides a wide range of innovative technical services both for its own fleet and third party owners to enhance the safety and performance of the vessels under its management.

Eco-friendly ship management is our core strength. Committed to being an industry leader in eco-friendly and fuel-efficient shipping, Ecoships continuously invests in innovative shipping technologies. Ecoships, through its customized software suite provides shipowners solutions to assist with measuring, analyzing, optimizing and monitoring of ship operations.

At Newport and Ecoships, we operate with a fully integrated commercial and technical management structure responsible for all vessels and contracts. Our primary focus is on tanker, chemical tanker and dry bulk segments.





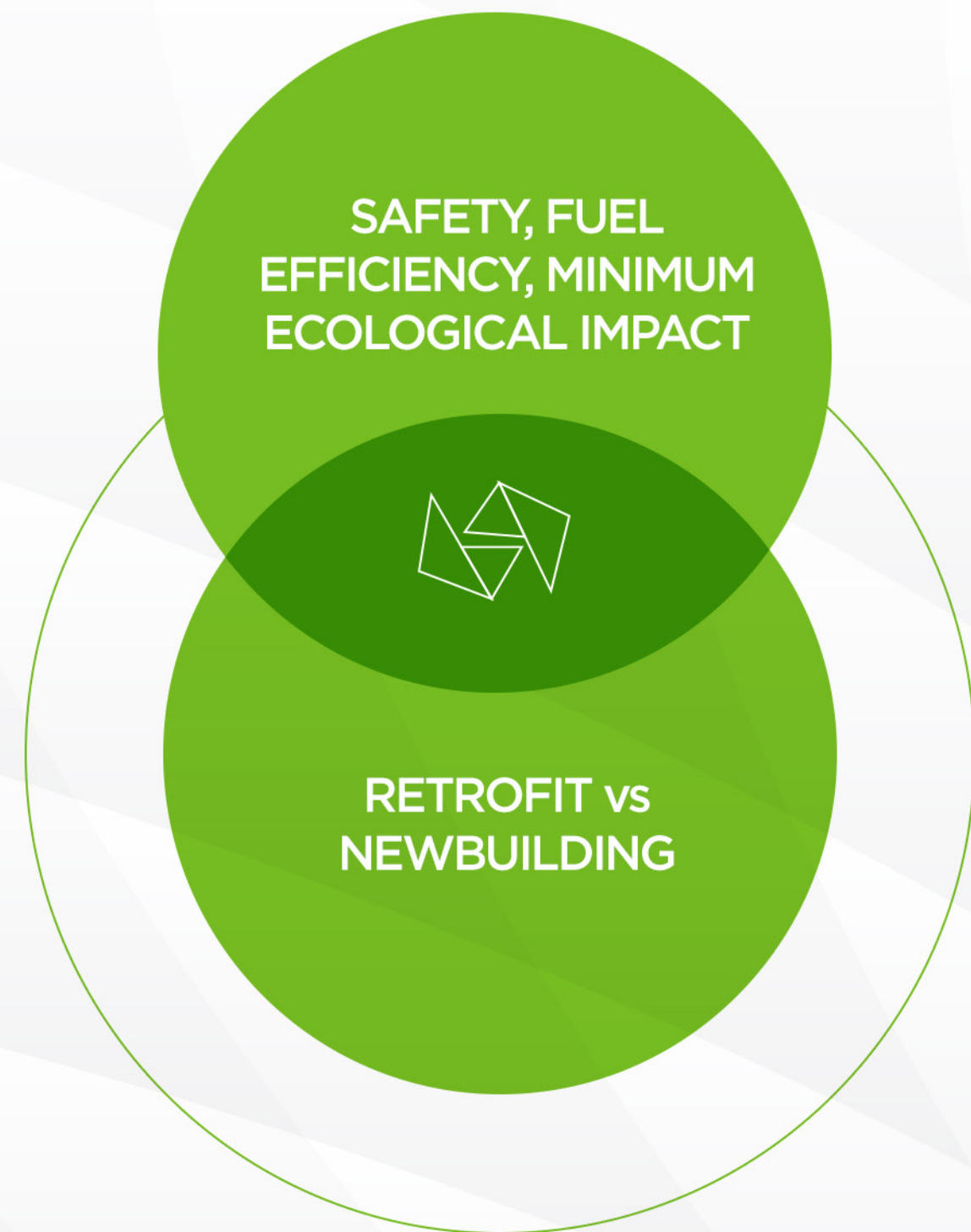
# what is eco-smart?

We are committed to minimizing our environmental impact and we continuously invest in environmentally friendly and fuel-efficient shipping technologies.

Through the technical changes implemented and advanced planning, we have been able to operate ships at 20% to 30% more fuel-efficiently and with substantially less impact to the environment.

For us, 'ECO' refers to both ecology and economy. We are eco-smart and being eco-smart pays off.

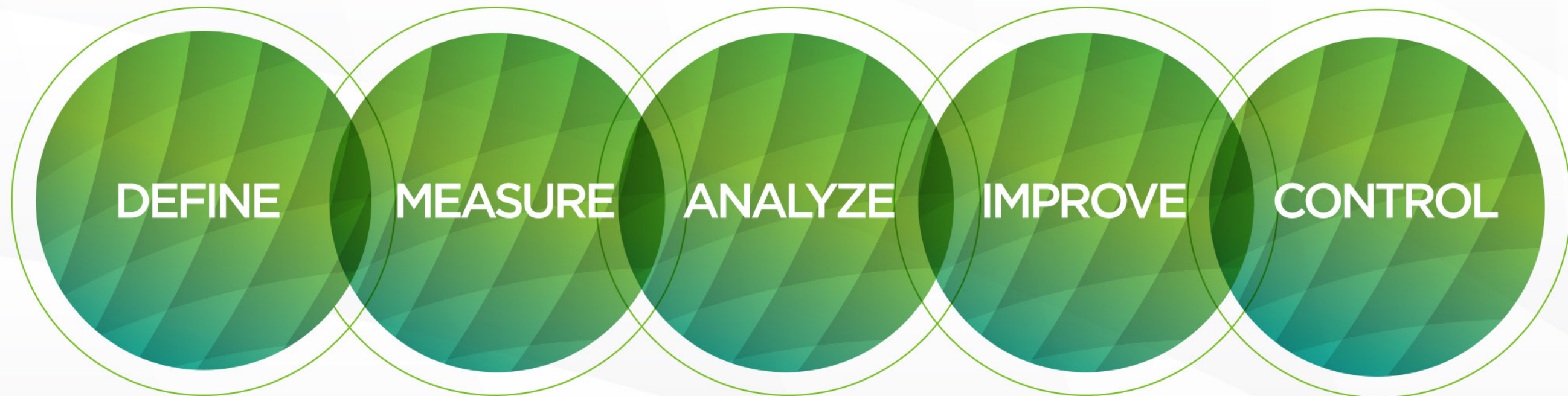
## OUR THREE PRIMARY GOALS:







# ecoships continuous improvement methodology



At Ecoships, we use a customized and slightly modified version of the six sigma approach 'DMAIC' (Define, Measure, Analyze, Improve and Control) for improving our operational performance. We continuously inspect our vessels and identify processes that we believe offer room for improvement.

We then measure the identified process to set a baseline and analyze the data through our customized software suite. After we implement changes and improvements, we continuously control these processes to ensure ongoing performance

## Process Improvement Doctrine

- Achieving sustained quality improvement requires commitment from the entire organization, from every crew member on board to on-shore management.
- Our processes have characteristics that can be measured, analyzed, controlled and improved.
- Continuous efforts to achieve stable and predictable process results are of vital importance to our success.
- We are committed to making decisions on the basis of verifiable data rather than assumptions.





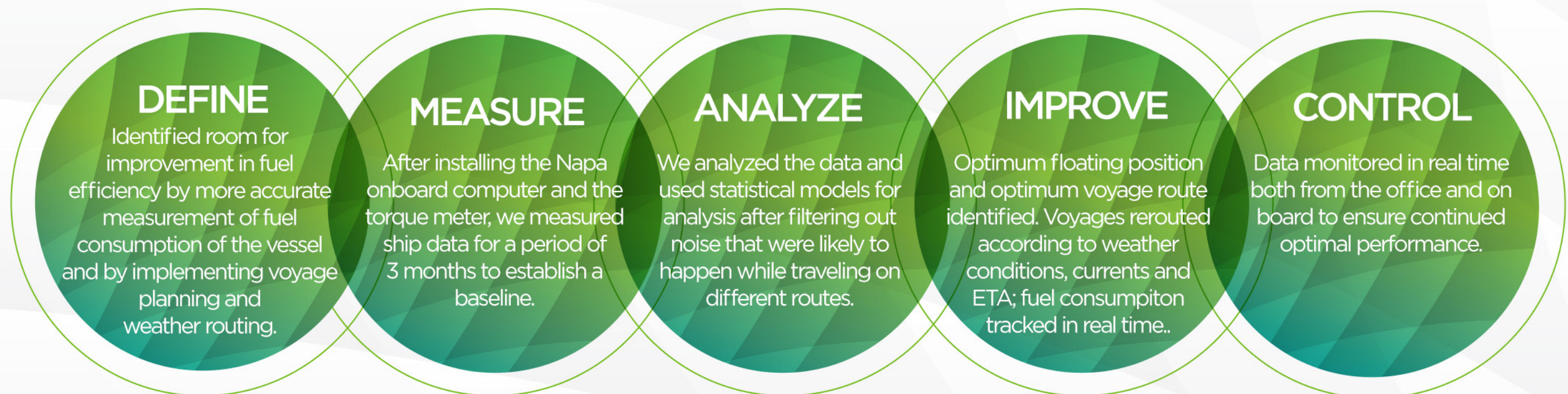
**VESSEL:** BULK ROSE  
**TYPE:** DRY-BULK CARRIER  
25,000 DWT

# example case study

## Installation of 'VAF shaftmeter' and 'Class NK Napa Green Monitoring System' on Bulk Rose

**SUMMARY:** Bulk Rose is a 25,000 dwt eco-friendly bulk carrier built and delivered in 2011 by the Istanbul based Cicek Shipyard. The vessel was taken under Ecoships management in January 2014 after a through inspection. Initial fuel consumption was 840g /DWT per day. The vessel is equipped with a shaft generator and we had access to most of the signals and measurements through the prebuilt equipment. We identified that a minimum of 10% reduction in fuel consumption could be achieved by operational optimization.

We decided to retrofit a shaft power torque meter (T-Sense by VAF Instruments of Holland) and add the onboard Napa Green Monitoring system for better analysis of data and optimal voyage planning & weather routing. We linked the torque meter data and fed it into Napa onboard computer for further analysis of real-time fuel consumption.



CO2 Reduction appr 10% ✓  
NOx Reduction appr 10% ✓

SOx Reduction appr 10% ✓  
Fuel Efficiency 11% (750g/DWT) ✓



# why ecoships?

- Engineering driven management practices
- Focus on operational and financial efficiency. We help shipowners save money.
- Proven track record and technical know-how.
- Proven methodology for improvement of operational efficiency.
- Class approved quality, health, safety and environmental management practices.
- Advanced R&D work including own eco-friendly dry-bulk vessel project.
- Strategic partnerships with shipyards and easy access to inspections & repairs at minimum cost.
- Extensive ship-owning, ship-broking and finance industry experience having spent decades in leading companies in Oslo, Istanbul, New York, Singapore, Hong Kong and Jakarta.
- Managed and supervised ship management services on more than 50 vessels over the past decade.
- Overseen and managed full life-cycle of hundreds of diverse vessels throughout their complete life cycle, from design, through construction, operational life, dry-docking, modernization to recycling.

## State-of-the-art Technological Infrastructure

- Online and secure 'Planned Maintenance System' hosted on the cloud utilizing Citrix technology.
- Real-time reporting and monitoring of ship operational data.
- Customized software suite to offer shipowners online access to their vessel's financial and operational data.
- Voyage planning using a dynamic model fine-tuned with advanced analysis of measured operational data.
- Online crew training and support infrastructure



**ECOSHIPS**



01

## **WE THINK ECO-FRIENDLY**

Eco-friendly ship management is our passion.

We are always on the lookout for finding innovative techniques and tools to improve operational performance and reduce fuel consumption.

02

## **WE PLAN ECO-FRIENDLY**

Innovative technologies are being introduced daily and we believe this will eventually lead to 'zero-impact' shipping.

Everyday, we pro-actively plan to operate eco-friendly.

03

## **WE MANAGE ECO-FRIENDLY**

Whether it is voyage planning, speed optimization, weather routing or trim optimization;

we manage our ships to be eco-friendly and fuel-efficient while never compromising safety.

04

## **WE ARE ECO-SMART**

Eco-friendly shipping is sustainable, profitable, competitive, safer and more efficient.

We believe being eco-friendly pays off.

**We are eco-smart.**



# BE ECO-SMART

To subscribe to our case studies: **casestudy@ecoships.com.tr**  
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