



# NORSEPOWER | on Base<sup>n</sup>

## Revolutionizing Maritime Landscape: BaseN Platform Case Study

### Introduction

#### Norsepower: Pioneering Sustainable Shipping with Rotor Sail Solutions

At the forefront of innovation in the shipping industry, Norsepower is revolutionizing maritime transportation through its groundbreaking rotor sail technology. Founded in late 2012, Norsepower is a trailblazing force dedicated to reducing the environmental impact of shipping while ensuring efficiency, reliability, and ease of use. Their journey began with a visionary mission: to provide ships with auxiliary wind propulsion. Inspired by the early 20th-century concepts of Finnish inventor Sigurd Savonius and German engineer Anton Flettner, Norsepower's Rotor Sail Solution was born.

### Challenges

#### Enhancing Rotor Sails Efficiency

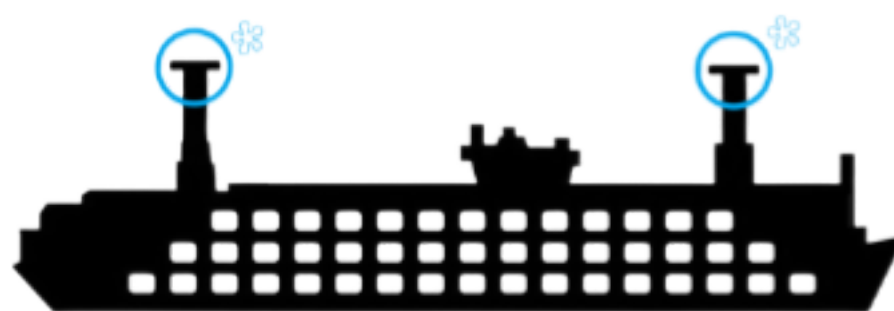
One of the critical challenges Norsepower faced was the need for a monitoring solution that could cater to the unique requirements of their rotor sail technology. Rotor sails, which harness wind energy to reduce fuel consumption by up to 8%, play a pivotal role in enhancing sustainability in the maritime industry. However, the efficient operation of rotor sails relied on reliable real-time monitoring and precise information dissemination to various stakeholders.

### Solutions

#### BaseN Platform: Propelling Norsepower's mission

Norsepower worked with BaseN for a customized monitoring solution tailored to the unique requirements of rotor sails. BaseN Platform seamlessly processes vast amounts of data generated by the rotor sails in real-time, producing user-friendly portals, managing alerts, and generating comprehensive reports for all stakeholders involved in sail operations. These real-time insights enable Norsepower to swiftly identify any required reactions, ensuring optimal sail conditions.

Furthermore, the granularity of reporting, both in real-time and historically, empowers each vessel to access a dedicated BaseN portal, granting them visibility into their sail's condition. BaseN Platform's real-time monitoring and management provide Norsepower with the accuracy and agility needed to collect, analyze, and report data from the sails and other sources of enrichment, such as weather conditions and navigation information.



### Benefits & Results

Efficiency and reliability with real-time rotor sail monitoring

- **Optimizing operations of the rotor sails for maximum efficiency:** Real-time monitoring and management for rotor sails and other sources, including weather forecasts and vessel navigation information.
- **Building trust with stakeholders and end-users:** Precise information for sail management and stakeholder communication, supporting agile decision-making and adaptive responses to changing conditions.
- **Reducing downtime:** Drill-down portals for quickly identifying required actions.
- **Long-term insights and continuous improvement of the rotor sails:** Detailed real-time and historical reporting granularity.
- **Reliability as a product value:** Swift recognition of alarm situations and rapid operational recovery enhances the reliability of rotor sails, contributing to overall efficiency and sustainability.

— On BaseN: the base for changemakers —

