

Voyage Optimisation

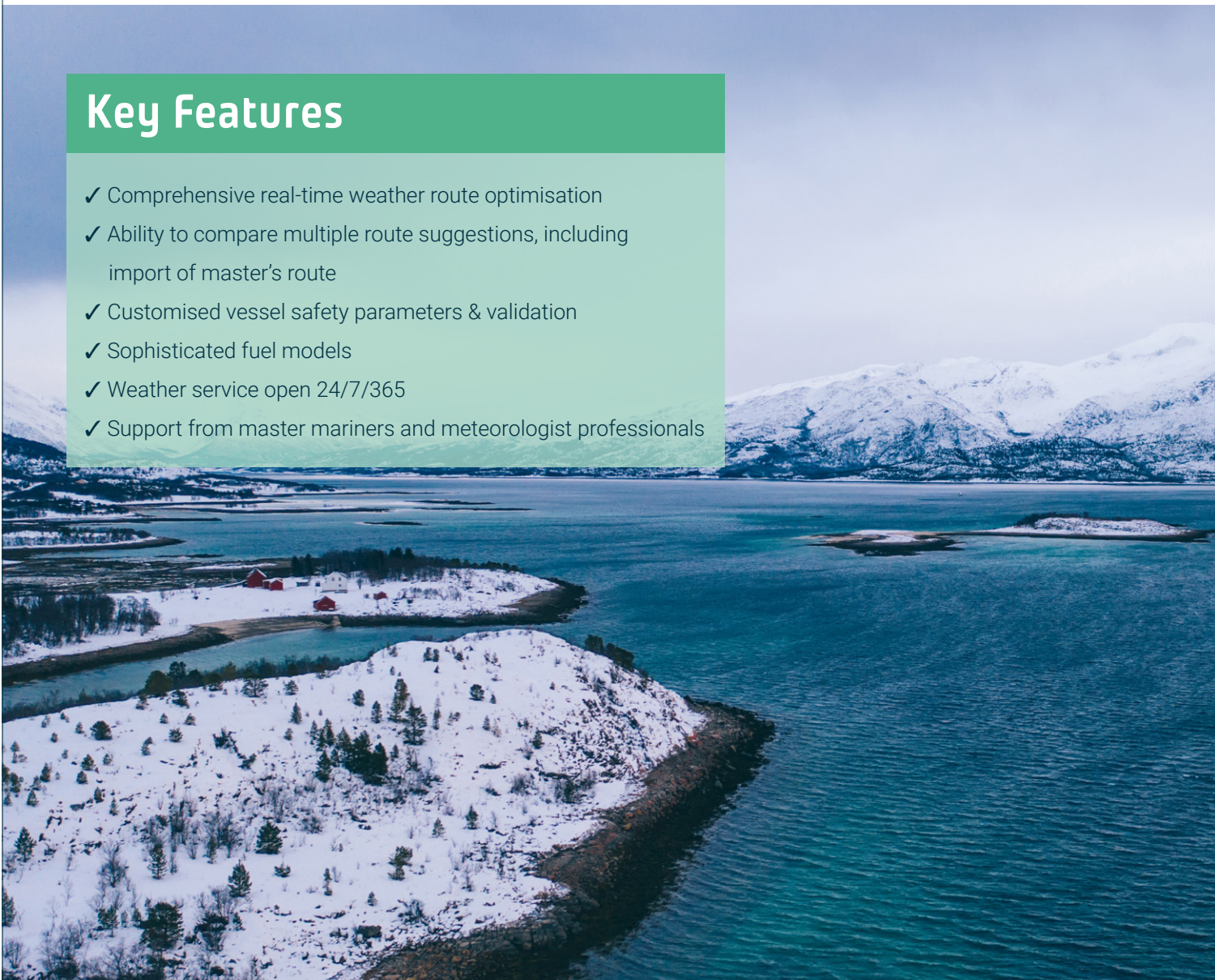
Optimising speed and routes for both profit and planet

How do you best sail between point A and point B while still maximising your commercial and environmental goals? With Voyage Optimisation, ZeroNorth brings an algorithmic routing platform with unmatched capability to enable operators to commercially manage voyages with commercial objectives in mind while also taking weather safety into account.

Voyage Optimisation converts data into tangible actions to reduce CO2 emissions and maximise revenue for the benefit of profits and the planet. By connecting multiple data points across a single interface, ZeroNorth's software interprets data to generate thousands of potential recommendations for voyage, vessel, and bunker optimisation, as well as increase earnings.

Key Features

- ✓ Comprehensive real-time weather route optimisation
- ✓ Ability to compare multiple route suggestions, including import of master's route
- ✓ Customised vessel safety parameters & validation
- ✓ Sophisticated fuel models
- ✓ Weather service open 24/7/365
- ✓ Support from master mariners and meteorologist professionals



Voyage Optimisation Functionality

Within Voyage Optimisation, operators have access to Dynamic Route Optimisation with real-time weather conditions that update every hour using data provided by Spire and WNI. The Active Route Monitor tracks your vessel 24/7 to ensure safety as well as Notifications to display real-time optimisation options. The Customisable Weather Safety Parameters give you the ability to set constraints on each vessel to control the risk factor when heading into dangerous weather.

Use ZeroNorth's state-of-the-art fuel model or integrate your own model through our API to get the fuel estimates on your voyages, or use both interchangeably to have the most data at hand for your decisions. CII ratings are integrated into suggested routes where you can easily see the impact of your choices on the vessel's future CII rating.

The main Fleet Map displays vessels in their locations as well as a linked Fleet Dashboard with information on destination, optimisation status, and deviation. High Risk Areas are highlighted on the map and represent zones of piracy, known war zones, and a minimum distance to shore.

Voyage Optimisation can also be purchased as a Managed Service with ZeroNorth experts taking optimising routes on your behalf and monitoring your fleet 24/7. All with the objective of maximising and optimising your commercial and sustainability goals.

Benefits for charterers and operators



**Improve
TCE earnings**



**Reduced CO2
Emissions**



**Safe
Voyages**



**Digital
Vessel Twin**

About ZeroNorth

Climate change poses a serious threat to the planet's future, but ZeroNorth is dedicated to making a difference. Our platform and software suite aims to make global trade green by enabling companies across the entire marine value chain to profitably decarbonise.

The ZeroNorth platform is a leading multi-service hub which harnesses the power of data to create insights that enable voyage, vessel and bunker optimisation and inform better decision-making for cargo owners, vessel owners, commercial operators, charterers, and bunker suppliers.

By blending cutting-edge data-driven technology with human expertise, the ZeroNorth platform provides solutions that are helping the global shipping industry achieve optimal commercial performance and reduce its negative impact on the planet by reducing its carbon emissions.

Reach out to the ZeroNorth's team to learn more.