



MERIAURA

Sustainable shipping

Thomas Friis

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Meriaura Group

“In the frontline of developing sustainable shipping.”



Environmentally friendly, innovative, and solution-oriented maritime transport and ship management company.



Family-owned Meriaura has a strong orientation on development.



Established with the ambition to make a difference in the field of shipping.

Turnover of 2020

54,9 M€

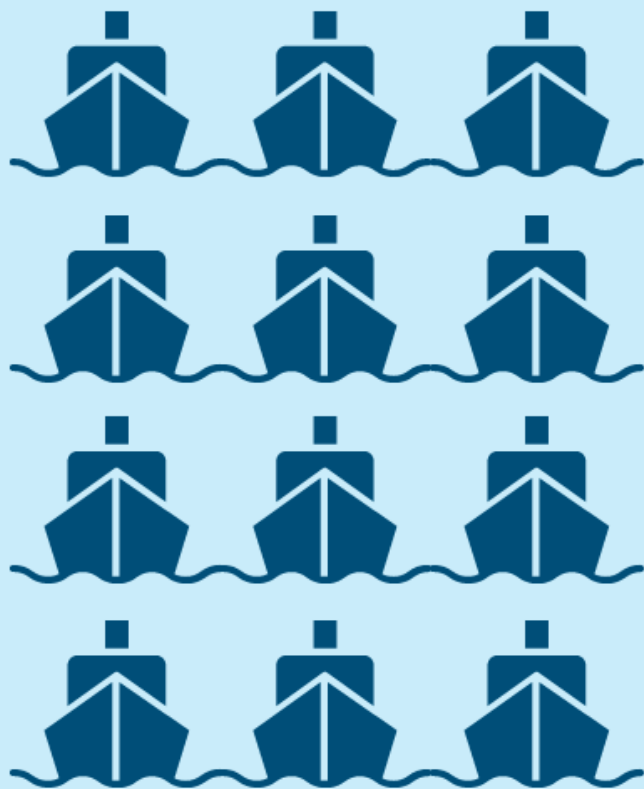
steady growth for 20 years.

Cargo volume

3M tons

Annually

(equals 3 % of total volumes of Finnish foreign trade sea transportation).



A fleet of **16** vessels trading mainly on the Baltic and the North Sea areas.

8 Meriaura Group OWNED VESSELS



Vessels under time charter agreements

800+  successful voyages annually

IMOn kasvihuonekaasustrategia

Tavoitteet:

Kasvihuonekaasupäästöt 50 % pienemmät vuoteen 2050 mennessä

Kansainvälisen meriliikenteen hiili-intensiteetti verrattuna vuoden 2008 tasoon (CO₂/kuljetettu tonni-maili)

- 40 % pienempi vuoteen 2030 mennessä
- 70 % pienempi vuoteen 2050 mennessä

Pyrkimyksenä on CO₂ -päästöjen vaiheittainen poistaminen matkalla kohti CO₂ -päästövähennyksiä, jotka vastaavat Pariisin ilmastopöytäkirjan lämpötilatavoitteita

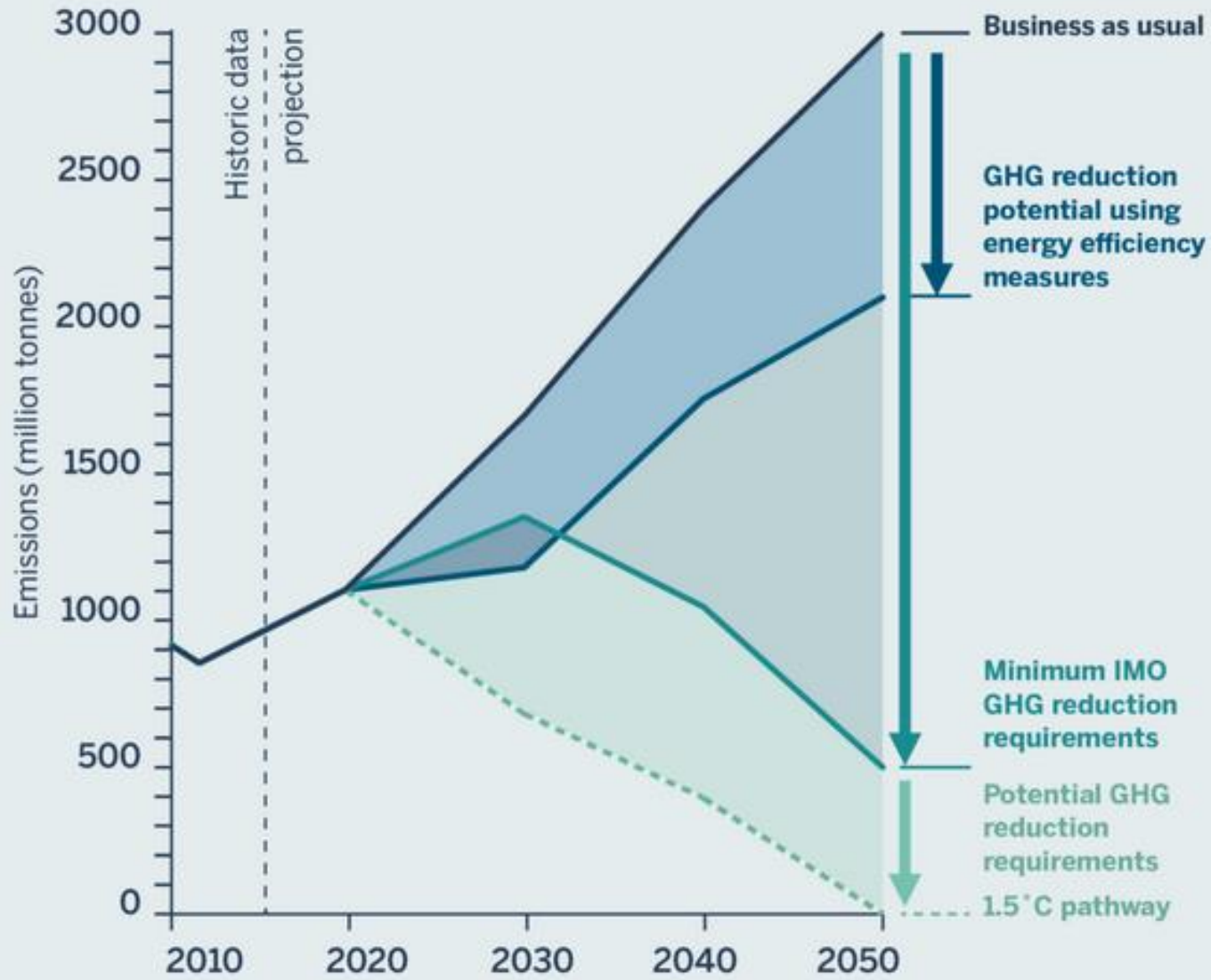


Fleet emissions -50%

2008

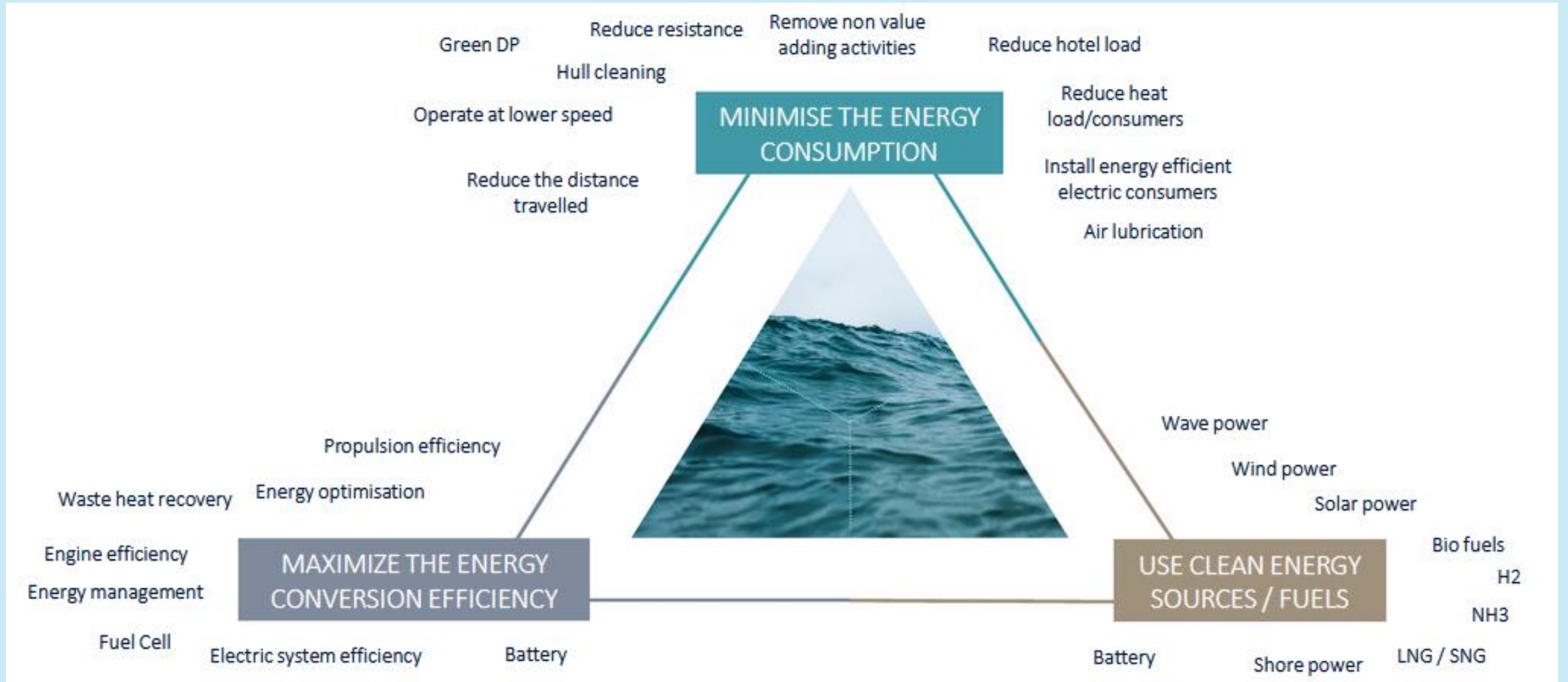
2030

2050

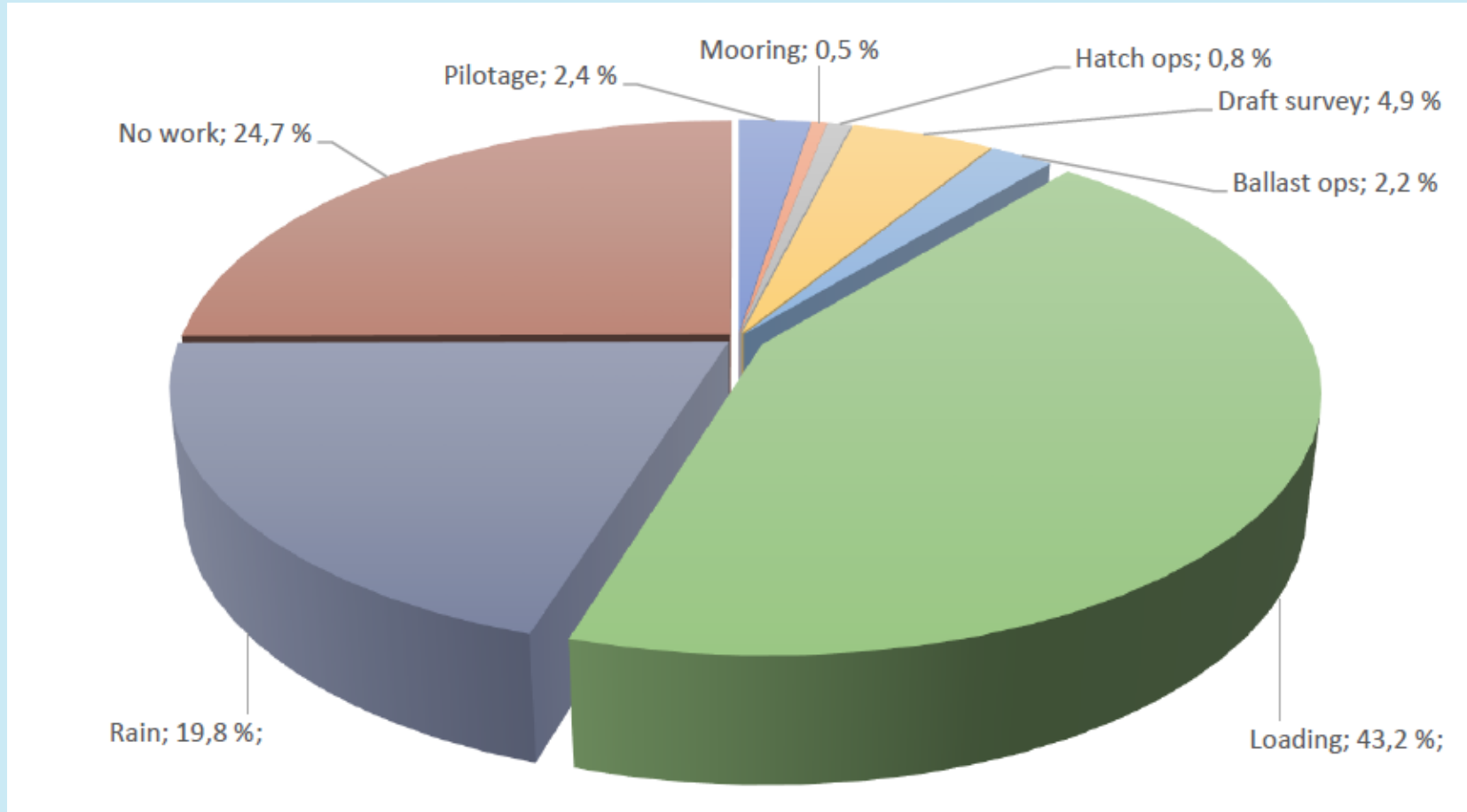


Typical ship operational lifespan 20-30 yrs

Alusteknilliset optimoinnit



Operatiiviset toiminnot





- One of the first sea carriers that use biofuel regularly
- First sea carrier that can offer nearly carbon-neutral transports
(Meriaura EcoVoy, launched in 2019)
- The newest EcoCoaster vessels can use 100% bio-oil
- First experiment made already in 1992

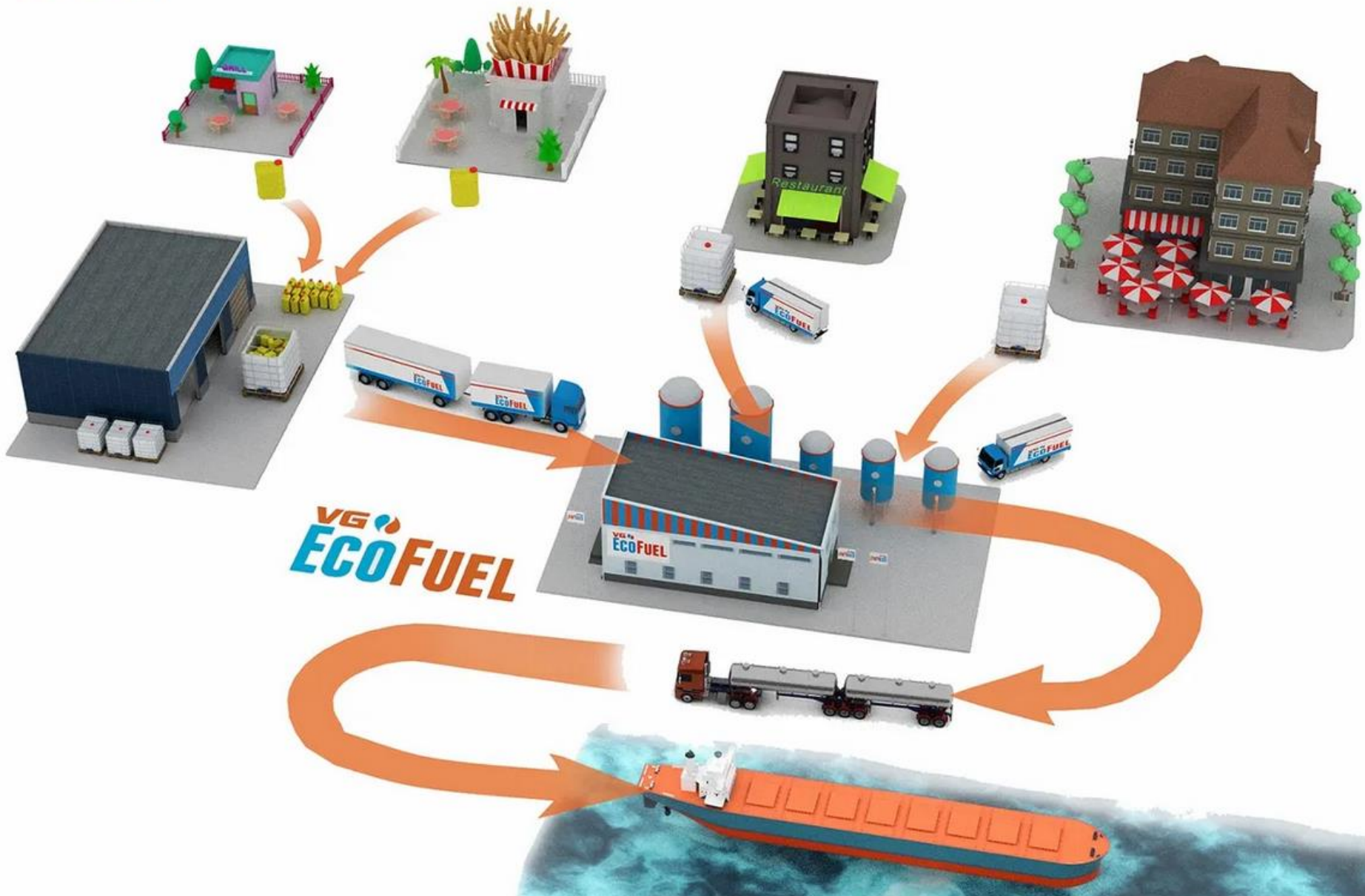
Bio-oil

- Waste-based, ethically sustainable
- Produced within our group
- Raw materials come from food industry side streams
- Reduces carbon dioxide emissions up to 96%

Pioneer of biofuels at sea

Strong expertise and
open-minded attitude for
biofuels development

Collecting of used cooking oil



100% Carbon neutral ship concept

A new era for dry bulk cargo shipping

Transport concept that targets to 100% carbon neutrality

Possible with:

- Sustainably produced bio-oil and battery technology
- Full utilization of digitalization
- Highest possible automated cargo handling system
- High-end fuel efficiency in ship design

Pilot in Saimaa

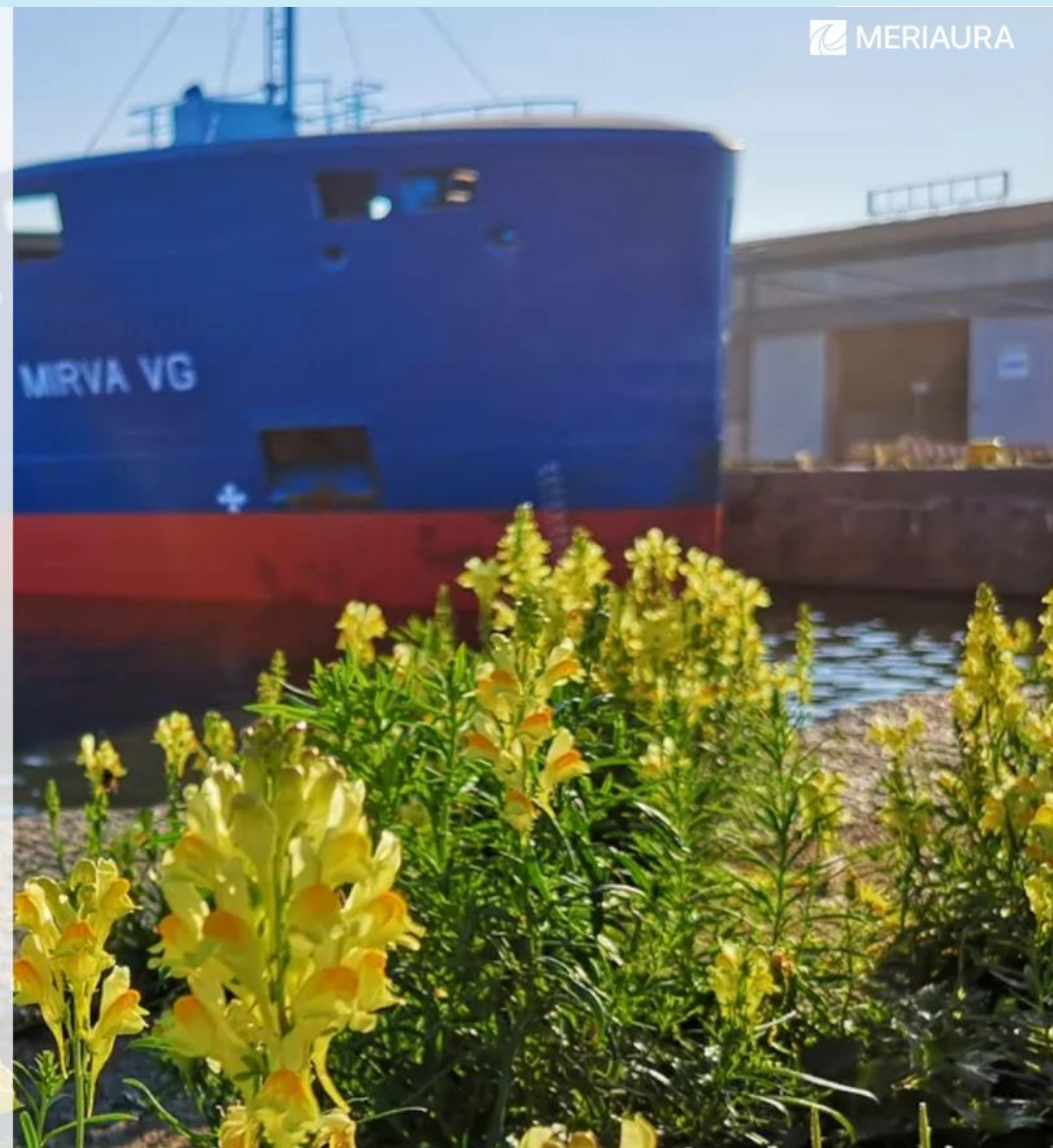


Creating a zero waste fleet

In summer 2019 we started a project for minimizing the environmental footprint of our fleet. The goal of our project is to minimize all emissions to the sea and make the Meriaura Group owned fleet the least waste producing fleet.

Our Waste Reduction Project “MERI” comprises 4 sub-areas:

1. **Minimizing of waste at source**
2. **Enhancing Onboard Process & operation to reduce waste**
3. **Recycling of waste materials is amplified**
4. **Improving handling of residual waste products**





Thank You!

**Thomas Friis
Head Of Ship Management**