Wallenius Wilhelmsen

Wallenius Wilhelmsen & its decarbonization

WSOS 2024 in Düsseldorf











In Scandinavia, we pioneered trade over the seas.

Wallenius Wilhelmsen Group (WalWil)

American Ro-Ro Carrier
(ARC)



Wallenius Wilhelmsen Solution
(WWS)

Wallenius Wilhelmsen Ocean
(WWO)

EUKOR Car Carriers
(EUKOR)

Wallenius
Wilhelmsen

Our Fleet



Operating Vessels

abt.130

Owned Vessels

83

Vessel type

Vehicle Carrier

avg. capacity (CEU)

6600





Decarbonization goals

We reduced fleet CO_2 intensity* from 2008 to 2019 by:

33.6%

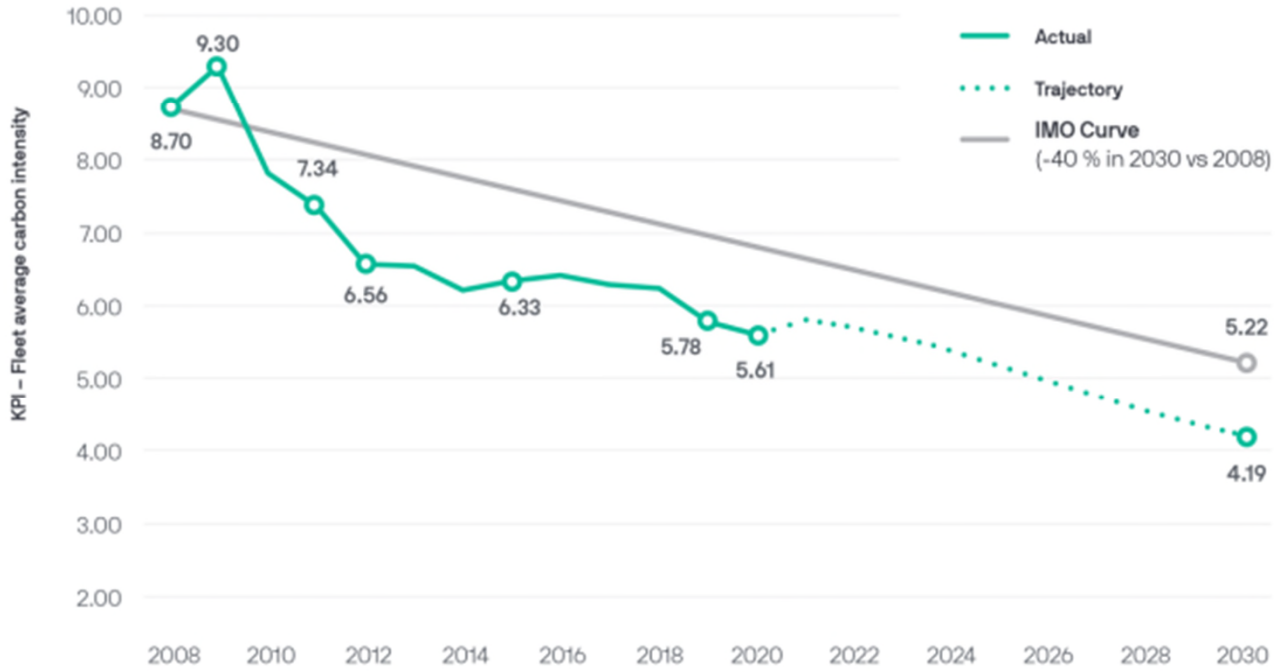
We are committed to reduce fleet CO_2 intensity from 2019 to 2030 by:

27.5%**

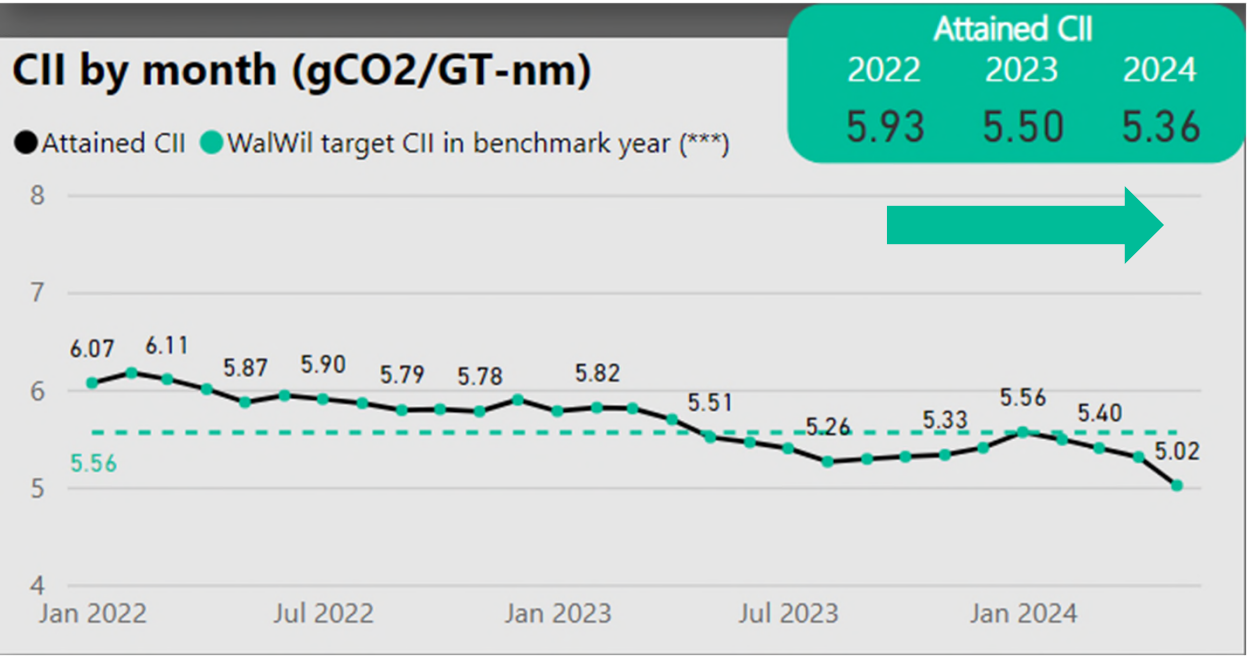
Carbon intensity target

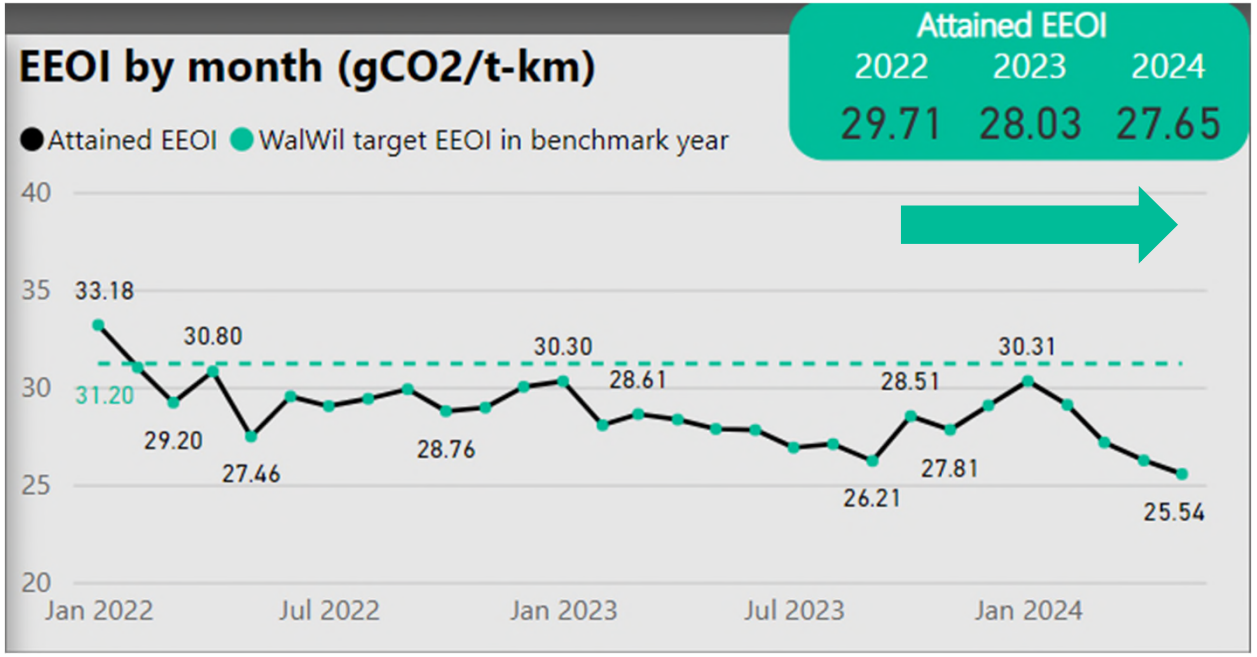
2000 — 2010 — 2019 — 2030

- CII -27.5% reduction by 2030 from 2019 level, SBTI (Science Based Targets Initiative)
- Net zero service for selected customers by 2027
- Net Zero by 2040



Emissions results from 2022





9.6% reduction

6.9% reduction

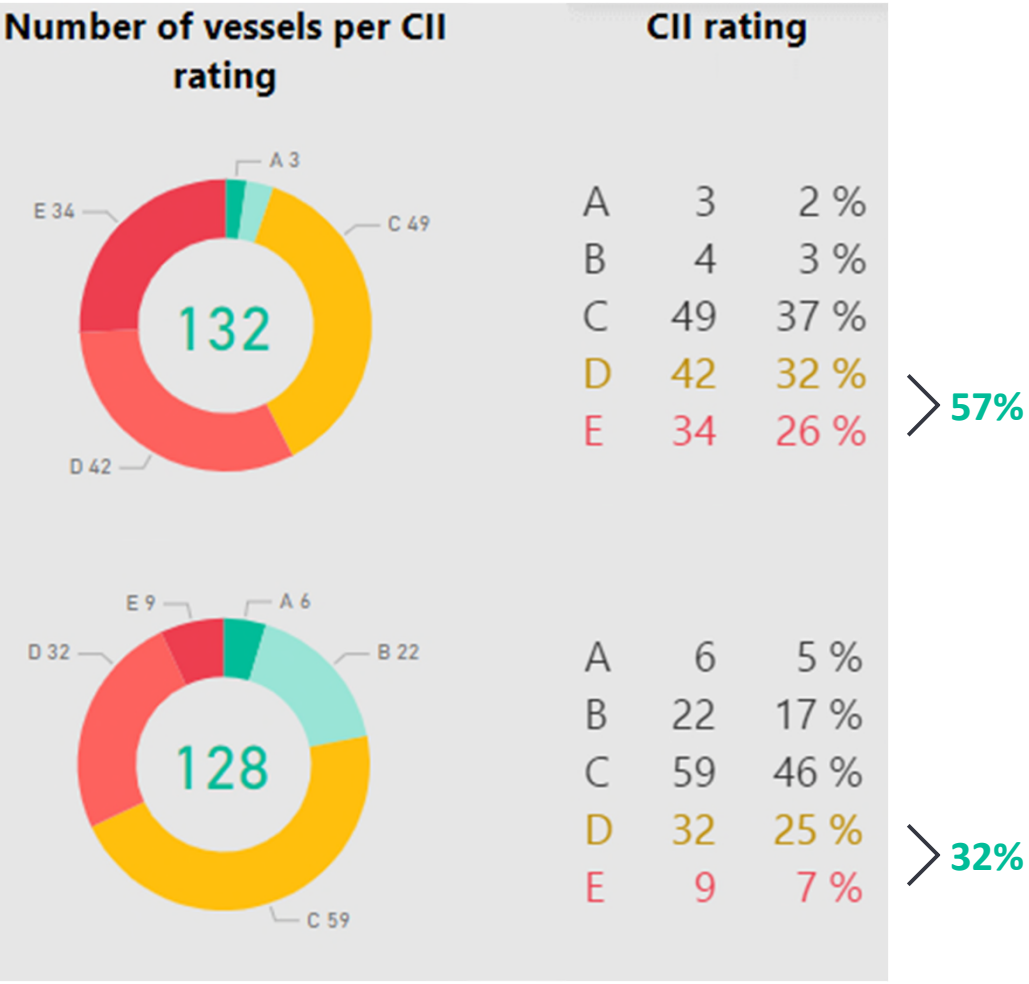
Positive CII development

2019

A	1%
B	5%
C	17%
D	37%
E	40%

77%

2022



2023

How to meet the commitment

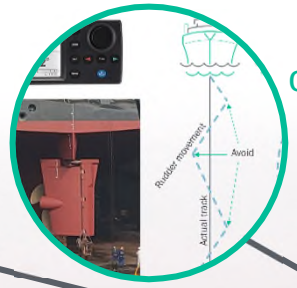


Portfolio of vessel energy efficiency improvements

Technical Upgrade
Operational improvement
Pilot or Feasibility stage



AI-based speed optimisation tool



Rudder autopilot optimisation policy



LED lighting

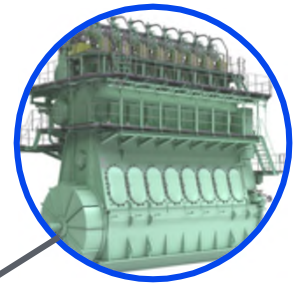
Engine performance optimisation tool





Engine part load modification

Main engine upgrades





Bulb retrofit

Bio fuel



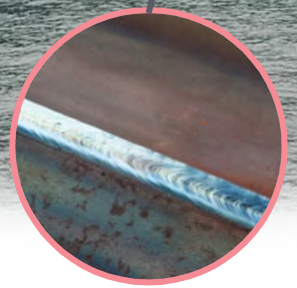
Propeller boss cap fins

Trim & ballast optimisation





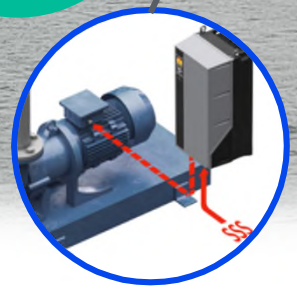
Air lubrication



Weld seam grinding



Hull cleaning robot



Variable frequency drives



Propeller coating

AI-based speed optimisation

- An advanced digital tool that provides voyage operator and vessel with an optimum speed for lowest fuel consumption
- This deep learning AI tool gives optimum speed recommendations along the route with processing vessel sensor data, weather forecast information and target time of arrival.





Asset replacement

New building 12 ordered

- 2026 – 2028 delivery
- Methanol dual fuel
- Ammonia ready
- 9300 CEU
- Net zero end to end service from 2027



Ocean Bird project

Horizon Europe funding project,
A test rig to be fitted on an existing ship in early 2025



Orcelle Wind

First vessel from the Oceanbird concept for primarily wind-powered vessels

