# Partnering for Green Ports:

Scalable Strategies for Sustainable and Modern Logistics



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About our company

# Safety and Support at sea since 1833

"Svitzer leads with care by constantly engaging with, listening to and responding to our people – not least those in the frontline – to ensure we all return home safely from work every day."

Kasper Friis Nilaus CEO



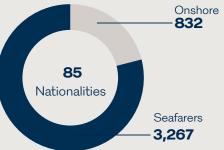


Employees



1833

Foundation Year





446

Vessels

37

Countries



16

Average fleet age



~ 2,000

Customers



143 | 40

Ports I Terminals

# **Our Business**

Towage is a mission-critical port infrastructure service enabling efficient and safe marine traffic



**ESSENTIAL FOR BERTHING AND UNBERTHING** 

**ENHANCING MANOEUVRING EFFICIENCY** 

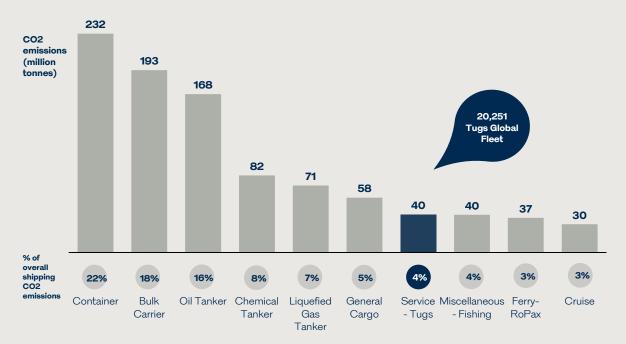
MITIGATING NAVIGATIONAL RISKS IN PORTS

# **MARINE SECTOR - TOWAGE'S GREEN SHIFT**

In 2018, global shipping emissions represented 1,076 million tones of CO2 and were responsible for around 2.9% of global emissions caused by human activities – **European Commission** 

# Total CO2 emissions (in million tonnes) per vessel type in 2018

Showing top 10 vessel type share of contribution of shipping CO2 emission



Source: 4TH IMO Greenhouse Gas Study

### **Emissions equivalent to Tug Jobs**



**Only 4% of the maritime industry –** yet the tug segment is responsible for 40 million tonnes of CO2 annually. Equivalent to the yearly emissions of over 7 million cars.

# **PARTNERING FOR GREEN PORTS**

Accelerating net-zero through innovation, collaboration, and efficient operations

Our progress towards achieving our **decarbonisation targets** 



**2020 2024** 2030 2040

Baseline 17% 50%
Carbon Intensity Carbon Intensity
Reduction Reduction





Limit The Global Warming At 1.5°c



**Comply With Regulations** 



**Future Proof The Business** 

# HOW (3M'S)?



#### Measure

Collect operation activities on regularly Calculate GHG Emissions Segregate the Scopes 1,2,3 100%

Carbon Neutral



#### Manage

Set baseline Set targets Track and analyze



#### **Mitigate**

Build reduction strategies Defined pathway to reduce GHG emissions Study scenarios for all initiatives

# **SCALABLE STRATEGIES**

Bring our global experience to build the best applicable initiatives based on each operational profile

# BEHAVIOUR +++



# EQUIPMENT 🚣



**TRAnsverse** 

ASD designs.

towing efficiency. Uses less power and fuel.

# AIM FOR

#### Aim for 8

- Optimise mob/demob speed.
- 12,000+ tCO<sub>2</sub> in Europe alone.
  30% avoidable at 8 knots.



#### **Port Monitor**

- Interprets AIS signals to track tua movements.
- Detects activity transitions in real-time.
- Measures Eco Rating based on speed adherence.



#### **MVR**

- In-house Monthly Vessel Report system.
- Tracks fleet activity regularly.
- Supports standardised emissions reporting.



## **Electric foiling**

• 100% electric — no air, water, or noise pollution.

• Innovative design maximizes

• CAPEX & OPEX on par with

- · Operates in floating and flying modes.
- Quieter, smoother, and more comfortable ride.



#### **ESS**

- Retrofit vessels with Energy Storage Systems (ESS).
- Store electric power to cut fuel
- Reduce fuel costs and emissions.

# FUEL -4 4 J



#### Electric

- Battery-powered tug ordered from Sanmar, Turkey.
- Delivery in second half of the
- To operate between Sweden and Denmark.



#### **Biofuel**

- Biofuel transition underway
- Expanding to Middle East, Europe & Americas.
- Part of Svitzer's decarbonisation strategy.



#### Methanol

- World's first battery-methanol
- 6MW batteries + dual-fuel methanol engines.
- Backup power and extended range.

Company Confidential Wednesday, April 16, 2025

# Thank you

THE DESTINATION IS CLEAR — BUT REAL IMPACT DEMANDS BOLD ACTION AND STRONG COLLABORATION ACROSS ALL STAKEHOLDERS

