

Contents	PAGE
Message from our Chairman & CEO	3
1. About LEMISSOLER	4
2. ESG at LEMISSOLER	12
3. Environment	16
4. Social	26
5. Governance	36
Appendix A - ESG Performance Data	41
Appendix B – Stakeholders	42
Appendix C – SASB Marine Transportation Material Issues	45
Appendix D - GRI Content Index	46
Independent Assurance Statement	50

#### About this report

Published September 2023

This is our third Environmental, Social and Governance ("ESG") report, which communicates our efforts in integrating sustainability into our broader business strategy, and long-term vision.

The main purpose of this report is to provide the key highlights of our business and sustainability progress on the ESG matters that are critical for us and our stakeholders. Through this report, we present the actions and initiatives we undertake to support our employees, business partners, and the community.

This report refers to the period 01.01.2022 – 31.12.2022 and is prepared in accordance with the Global Reporting Initiatives (GRI) Standards and the Sustainability Accounting Standards Board (SASB) for Marine transportation.

All the photos in this report come from seafarers on board LEMISSOLER vessels. The stories they tell are varied, thoughtful, colorful and poignant. We proudly reproduce them here to honor our seafarers for their professionalism, loyalty, strength, compassion, team spirit and good humor at sea during the year.

American Bureau of Shipping (ABS) has assured this report. Their statement is on page 50.

### Message from our Chairman & CEO

2022 was yet another unpredictable year. While the pandemic is largely behind us, the war in Ukraine, the energy crisis and the ensuing recession have deeply impacted people and businesses around the world. However, amidst these challenges, we cannot forget the urgency of the global climate crisis.

LEMISSOLER is determined to be proactive and contribute to a sustainable shipping industry through modernization and transparency. Sustainability is central to our business model, based on value creation over the long-term and being a responsible party in the global shipping market.

The Covid-19 pandemic continued to affect societies and economies. Russia's invasion of Ukraine is an ongoing tragedy and has elevated geo-political risks. It has also highlighted the importance of shipping and its seafarers, who are essential for global trade and the transportation of food, energy, and raw materials. Despite the challenges, we were able to operate our business and continue to expand.

The regulatory landscape related to sustainability is constantly evolving and the EU and IMO are increasingly committing to improved targets and policy actions. This relates not only to climate change, but to human rights and transparency in the supply chain. We welcome these regulations, and we believe we are well placed to comply with these changes, despite the compliance and implementation difficulties and the heavy administrative burden added to any shipping company.

The introduction of the Energy Efficiency Existing Ship Index (EEXI) and the Carbon Intensity Indicator (CII) will

challenge the shipping industry, will result in progressively slower vessel speeds and, over time, accelerated scrapping as older and less-efficient ships become incapable of compliance.

For LEMISSOLER this is considered a competitive advantage, as we will be compliant without additional investments, reaffirming our belief in operating our modern fleet.

We have ambitions to grow our fleet in the years ahead and target to have a net zero-emission fleet by 2050 and so, we made an important step in that direction in 2022 when we commenced a collaboration with our partners to develop an efficient design for what we expect will be our first dual-fuel Ultramax ship able to run on methanol.

We should be ready to contract our first Methanol LEM 65e+ DF Ultramax Vessel for delivery in 2026, and we believe that our example will help accelerate the transition to net zero-emission shipping in our dry bulk sector.

To all our teams and stakeholders – everyone we have worked with in 2022, thank you! We know there is much more to do, but we have plans in place, a distinctive framework to support them with sustainability at its core.

We wish all our employees, onshore and aboard, safe operations in the coming year.





## About LEMISSOLER

### At a glance

**LEMISSOLER** is a vertically integrated shipping group, established in 1996 with 4 activities ranging from shipowning and shipmanagement to commercial operations and corporate management.

"Our purpose is to create value."

Philippos Philis, CEO

#### **Our Values**



Transparency



Excellence Respect



#### Shipmanagement

- · Technical & Purchasing
- · Crewing & Training
- Naval Architecture & Engineering
- Insurance and Claims



#### **Commercial Operation**

- · Vessel Chartering
- Dry Cargo Operation
- · Contracts of Affreightment



#### Corporate Management

- Project Origination
- Project Funding (Equity, Debt)
- Market Research & Analysis
- Full Reporting
- Risk Management

Owned as of Dec. 2022



#### Research & Development

- LEM Bulkcarrier Designs
- Green Shipping Solutions
- Technology Projects
- Newbuilding Supervision



Integrity



Around the world

Crew employed

Office employees

→4.1<sub>mil.</sub>

MTPA cargo carried

US\$ Net Assets Value as of Sept. 2023



## Our existing competitive advantage: a modern eco fleet promoting a greener future today

Our fleet contains modern, fuel-efficient and highquality vessels, with a strong emphasis on our inhouse technical expertise.

We design our vessels to be top of the line in their respective categories; this is an important step in our common pursuit to create a more sustainable shipping concept combined with a flexible design to offer our customers better business solutions at competitive freight per ton-mile.

As of December 2022, our company owns a fleet consisting of 12 vessels with a total carrying capacity of 727,760 DWT.

12 vessels

Designed in-house by LEMISSOLER and surpass regulatory requirements. Time Charter Equivalent (TCE) above the Baltic Supramax Index (BSI) for **our LEM 65** 

> 24.0%

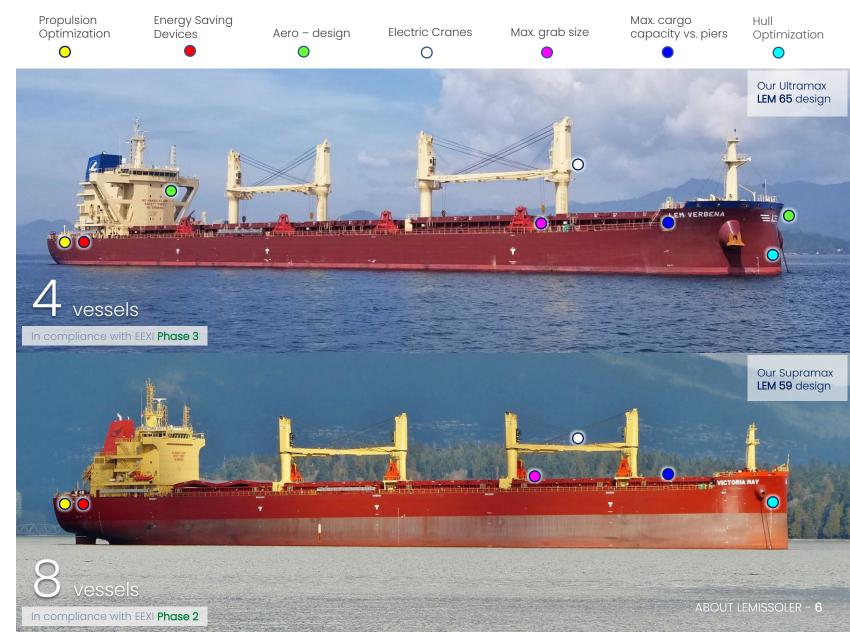
5.9 years

Average age of our fleet

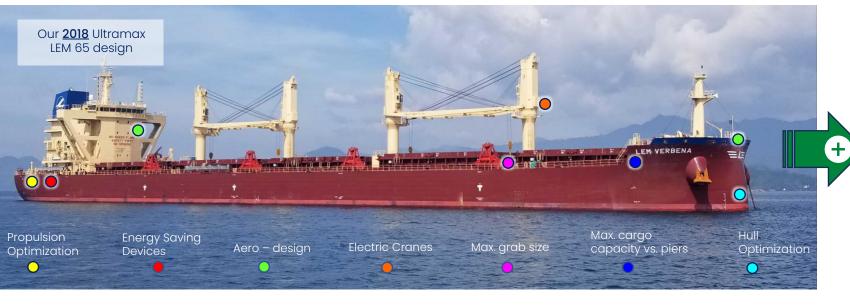
→ 12.0%

vessels.

Time Charter Equivalent (TCE) above the Baltic Supramax Index (BSI) for our LEM 59 vessels.



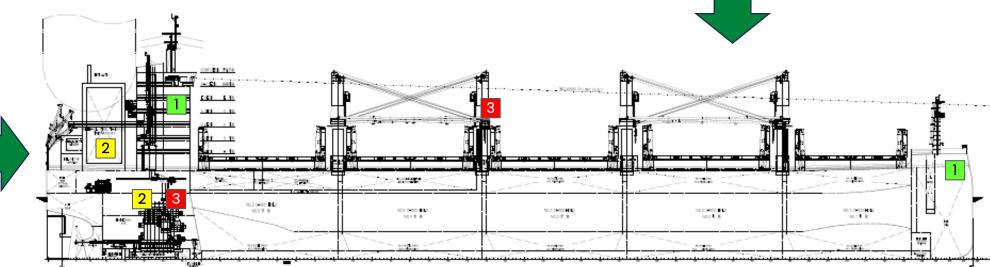
## Our NEXT competitive advantage: reinventing our LEM 65 Ultramax to achieve the net zero by 2050



	NEW+ Upgrades	Description				
	Optimization 1	<ul><li>Optimized hull lines even more.</li><li>AERO accommodation front wall.</li></ul>				
	Propulsion 2	<ul> <li>Dual Fuel (Methanol) Engine</li> <li>Double wall Methanol fuel tanks. Capacity for a sailing range of 11.000 nautical miles.</li> </ul>				
	Energy Saving 3	<ul> <li>Shaft generator covering all the ship's electrical load at sea.</li> <li>New generation electric cranes with 35 mt capacity.</li> </ul>				
		Battery bank (ESS) covering all the accommodation lighting.				

#### Our <u>NEW 2023 METHANOL</u> Ultramax LEM 65e+ DF design

- ✓ All previous LEM 65 enhancements;plus (+)
- ✓ (+) Upgrades on existing proven 2018
   LEM 65 design
- √ (+) 8% more efficient than 2018 LEM65
- √ (+) Methanol Dual Fuel Engine
- ✓ (+) Complies with upcoming regulations
- ✓ Delivery 2026



# Well diversified network of clients across geographies and commodities

We carefully select our business partners based on their beliefs, diligence, transparent business practices, operational conduct and long-term focus.

#### STRONG COMMERCIAL PERFORMANCE

- Our direct wide network limits our exposure to specific customers, geographies
  or commodities. It also provides a wide foundation for revenue generation and
  reduces cyclicality and counterparty risk.
- Our close relations to such a wide range of top-rated cargo owners globally provides a high deal flow with opportunities to locate cargo that efficiently match our vessels' availability.
- Our long-lasting relationships with reputable and reliable brokers help us apply our robust commercial strategy and match every vessel when needed with the suitable cargo.

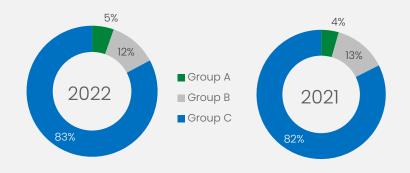
O zero

Cargo complaints in 2022

100%

Of our charterers passed our quality evaluation benchmark

#### Cargo IMSBC Classification

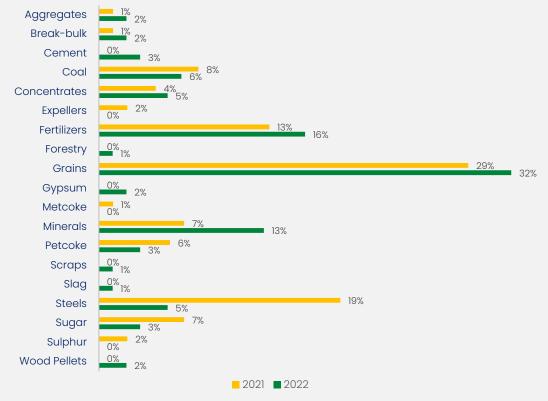


**Group A:** Cargoes which may liquify if shipped at a moisture content exceeding their transportable moisture limit.

**Group B:** Cargoes which possess a chemical hazard which could give rise to a dangerous situation on a ship.

Group C: Cargoes which are neither subject to liquify nor possess chemical hazards. Cargoes in this group can still be hazardous.

#### Cargo composition



## High asset utilization with more than 4.1 million metric tons transported across the globe

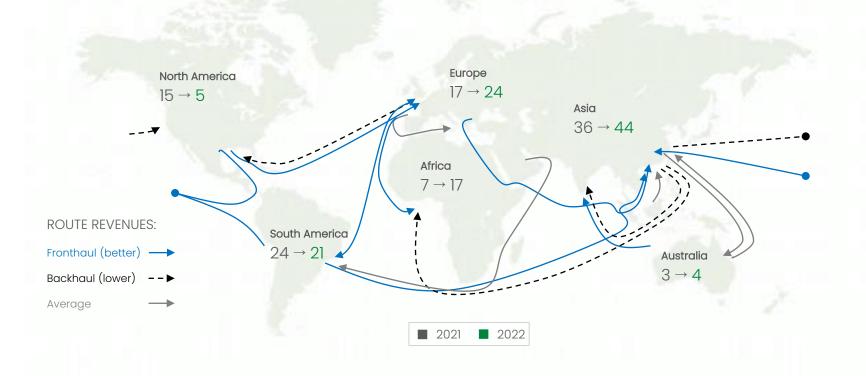
We calculate the fleet utilization by dividing available days (including charter-in days) by ownership days.

This measure demonstrates the percentage of time in the relevant period our vessels generate revenue.

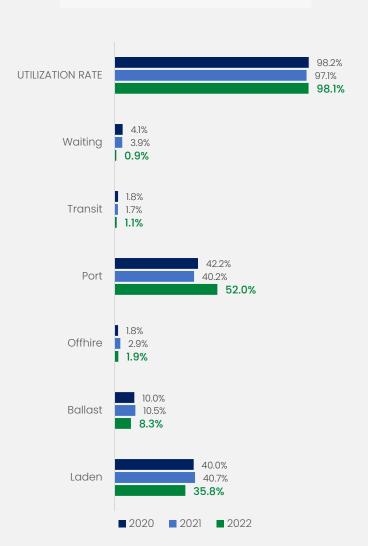
NUMBER OF OUR PORT CALLS IN THESE REGIONS

During the three years ended December 31, 2021, our average annual fleet utilization days rate was 97.9%.

In 2022, we achieved a 98.1% utilization rate, which is slightly increased compared to 2021 despite 2 scheduled dry Docks (1/6 of our fleet).



98.1%
Vessel utilization rate in 2022



### Key clients and their feedback

"Consistently deliver as promised."

Cargill

"Your flexibility and willingness to go the extra mile have made all the difference."

"We look forward to continued collaboration."

Trafigura

Bunge









































### Our partners for advancing sustainability

LEMISSOLER is continuously seeking ways to improve the operational efficiency of our vessels in the short-term, while investigating new technologies and entering strategic partnerships for the long-term.

In 2022 our Group was a member of - or partnered with - the following associations and organizations:





























## ESG at LEMISSOLER

### Sustainability at LEMISSOLER

Our purpose is reimagining shipping for people and our planet. Our sustainability frame underpins our strategy to be an integrated shipping company and translate our purpose into action. It sets out aims in the areas where we believe we can make the biggest difference for LEMISSOLER, our stakeholders and society.

#### Our aims and objectives

Sustainability at LEMISSOLER is about creating value by connecting the business opportunities of the shipping transition with our aims and objectives for people, our planet and getting to net zero.

The aims are targeted but interconnected, so delivering one aim can help us deliver others.

#### Our foundations

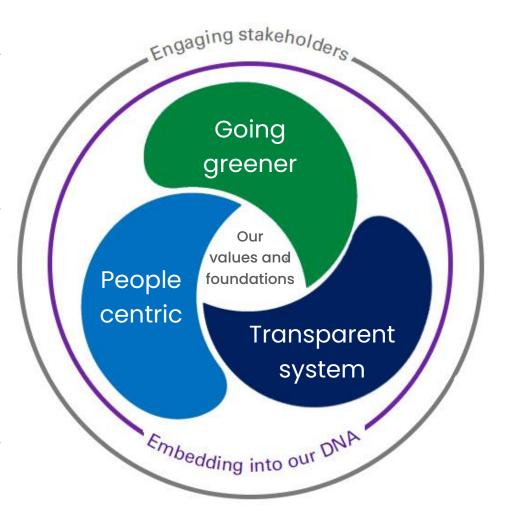
Sustainability is not new to LEMISSOLER. Over many decades we have built strong foundations to help us do the right thing on safety, greenhouse gas emissions, human rights, biodiversity, and other social and environmental factors. Delivering our aims requires us to build on and strengthen these foundations.

#### **Engaging stakeholders**

We learn through ongoing engagement with our many different stakeholders and collaborate with them to deliver our gims

#### **Embedding into our DNA**

We are constantly working to embed sustainability more deeply into our culture and mindset, decision making, systems and processes, and governance.



#### **ENVIRONMENT**

Improving our fleet's consumption of fuel and other inputs and the resulting impacts of emissions, use of resources and climate change.

**Focus areas** - Greenhouse gas emissions, energy consumption, SOx, NOx, waste, biodiversity.

#### SOCIAL

Rewarding the skills, experience, behavior and loyalty of our staff and enhancing with fair remuneration and a commitment to health and safety, development and training, equal opportunity and a comfortable and fulfilling workplace.

**Focus areas** - Health & safety, human rights, diversity & equal opportunity, training & development.

#### **GOVERNANCE**

Evolving management and governance practices for best in-class risk management, transparency and stakeholder confidence.

**Focus areas** - Anti-corruption, Risk Management, Transparency, Cyber Security,

### **Materiality Analysis**

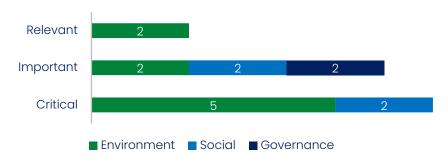
#### **ENGAGING WITH OUR STAKEHOLDERS**

Our goal is to embed sustainability into our business strategy and processes. To achieve this, we need to understand the most relevant and important sustainability issues for our business and our stakeholders. The ways in which we engage with our key stakeholders, the key issues and our response is described in Appendix A & B.

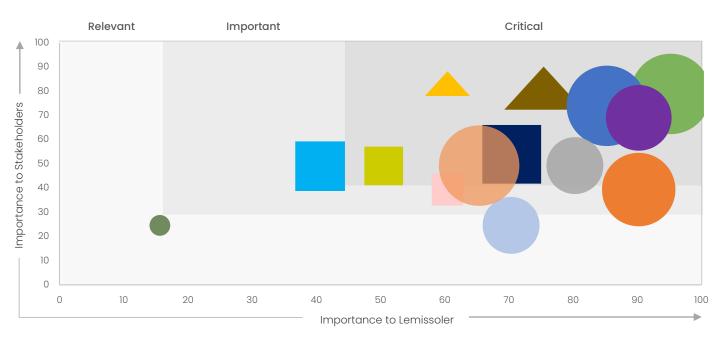
The topics for this report were selected through management prioritization by considering the importance to Stakeholders in the topic and the likelihood of the topic affecting our business objectives.

These 14 topics are ranked by importance in the three broad categories (E, S, G) as presented in the following graph:

#### NUMBER OF TOPICS PER MATERIALITY LEVEL



Our ambitions on all these material topics are outlined below our materiality matrix on the right, and actions and progress towards achieving our ambitions are described throughout the report.



#### Key topics:



### Sustainability strategy and focus areas

In developing our people and planet aims, we used the UN sustainable development goals (SDGs) to inform our thinking. Although our business activity touches most of the SDGs, we are focusing our efforts on those that align with our aims in order to make the most impactful contribution to sustainable development and for people over the next decade.

#### **ENVIRONMENT**



Focus area

Decarbonization





Decarbonization and energy efficiency

are part of LEMISSOLER's agenda to curb

emissions gradually, while working

towards carbon neutrality in 2050. It is

LEMISSOLER's responsibility to manage its

vessels in the most energy efficient way































**GOVERNANCE** 







#### Diversity, well-being & engagement

All our employees will be treated fairly in a safe and healthy working environment, and we are committed to creating a working environment where each employee feels valued and can prosper.

1. Limit accidents onboard our fleet.

2. Maintain at least 35% female share of

3. Maintain an average retention rate of

on-shore employees.

**Targets** 

min. 90%.

#### Targets

possible.

- 1. Carbon neutral by 2050.
- 2. Yearly improvements in CO<sub>2</sub>
- 3. Emissions per transport work for each vessel size, aligned to IMO CO<sub>2</sub> targets.
- 4. Elimination of food waste onboard.
- 5. Reduction of paper and electricity consumption annually.

#### **SOCIAL**













#### Focus area

#### Bribery and facilitation payments

Corruption obstructs the development of fair market structures, distorts competition and threatens the normal development of societies.

LEMISSOLER has zero tolerance towards bribery, and our policy is to refuse facilitation payments.

#### **Targets**

- 1. Zero tolerance towards bribery and refusal of facilitation payments.
- 2. All employees to take and pass anticorruption and data ethics training.
- 3. 100% of suppliers selected based on ESG criteria by 2026.

#### Addressing the United Nations Sustainable Development Goals



Our sustainability focus areas, strategy and targets are consistent with several of the United Nations Sustainable Development Goals (UN SDGs) designed to achieve a better and more sustainable future for all. As a responsible corporate citizen, we are committed to taking steps to tackle the environmental and social challenges we face in our industry.

Our sustainability initiatives and targets are aligned with the 2030 Agenda for Sustainable Development of the United Nations and with several UN SDGs as shown on the left.

LEMISSOLER contributes to certain aspects of all 17 SDGs. In this report, we feature twelve (12) SDGs to which we are making significant contributions.





































## **ENVIRONMENT**











## We continuously strive to improve the energy efficiency of our fleet

We measure transport energy efficiency of our fleet using the two main \*Carbon Intensity Indicators (CIIs):

#### 1. ENERGY EFFICIENCY OPERATING INDEX (EEOI)

EEOI (also used for EU MRV reporting) is the ratio of annual total  $CO_2$  emissions per transport work (actual cargo transported X distance sailed) in grams of  $CO_2$ /Transport ton-mile.

We apply an array of diverse operational measures, including the application of weather routing systems and speed management optimization practices for achieving in-time arrival at port and minimum time spent at anchorage.

In 2022 the average EEOI of our fleet decreased by 2.2% which shows an improvement when transport work is considered.

7.72

72 ↓2.2%

Average EEOI in 2022 (gr CO<sub>2</sub>/Transport ton-mile)

Average EEOI decrease of our fleet in 2022

4.84

Average AER in 2022 (gr CO<sub>2</sub>/DWT ton-mile)

 $\uparrow 0.8\%$ 

Average AER increase of our fleet in 2022

#### 2. ANNUAL EFFICIENCY RATIO (AER)

AER (also used for IMO DCS reporting) is a metric used for the assessment of the energy performance of ships and has been adopted by the Poseidon Principles. AER is the ratio of annual total CO<sub>2</sub> emissions divided by the deadweight capacity X distance sailed, expressed in grams of CO<sub>2</sub>/DWT ton-mile. In 2022, the average AER of our fleet increased by approximately 0.8%, due to charterers' operating profile and more specifically due to longer port times.

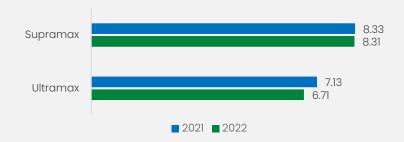
#### ENHANCING VOYAGE OPTIMIZATION

The below voyage optimization initiatives that we apply contribute to offset the increase in our Carbon Intensity metrics:

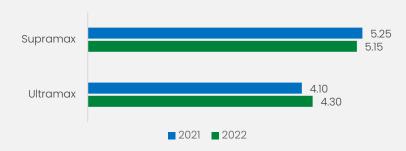
- Optimizing hull cleaning frequency (for reduced drag) using detailed analysis of vessels' speed and fuel consumption performance over time.
- Weather routing guidance based on hourly updated weather forecasts.
- Real-time onboard system monitoring (KeelX Analytics systems).
- Al route optimization for ongoing route efficiency adjustments (KeelX Analytics systems).

Without these initiatives the knock-on effect on the metrics on this page would have been even larger.

### Carbon Intensity Indicator (CII) per vessel size EEOI method (EU MRV) (gr CO<sub>2</sub>/Transport ton-mile)



### Carbon Intensity Indicator (CII) per vessel size AER method (IMO DCS) (gr CO<sub>2</sub>/DWT ton-mile)



<sup>\*</sup> We report on Carbon Intensity Indicators using EEOI (Energy Efficiency Operational Indicator) and Annual Efficiency Rate (AER) methodologies. EEOI is defined by IMO in MEPC.1/Circ.684 and AER is defined by IMO MEPC. 336(76).

#### Carbon Intensity Indicators (CIIs) - Our fleet



<sup>\*\*</sup> Average EEOI and AER figures are calculated by the total fleet Ton - mile or DWT - mile respectively and divided by total fleet CO<sub>2</sub> emissions.

## Continuous monitoring and transparent reporting of our fleet's emissions

We are focused on improving our carbon footprint. We monitor our CO2 emissions carefully. From their construction phase we have implemented on board our vessels a variety of energy efficiency measures, initiatives and systems to accurately monitor fuel consumption and CO<sub>2</sub> emissions.

- In 2022, our vessels travelled **547,041 nautical miles**, emitted **160,757 tons of CO<sub>2</sub> (Scope 1)**, and consumed **51,526 tons of fuel**.
- The total fleet CO<sub>2</sub> emissions decreased by 15.3% in 2022.
- The average fuel consumption per day per vessel (sailing days only) totaled 22.43 mt/day, decreased by 7.1% compared to the 2021 levels (from 24.15 mt/day in 2021).
- The total fleet's fuel consumption by fuel type breaks down to 48,228 mt of LSFO, and 3,299 mt of MGO.
- The total energy consumption of our fleet which is directly related to the fuel consumption on board, was 2,205 TJ in 2022, a decrease of approximately 15.3% compared to 2021, when the total energy consumption was 2,604 TJ.
- Our Scope 2 CO<sub>2</sub>e indirect emission for 2022 were **53.28 mt**, including the electricity consumption of our main office in Cyprus and the electricity purchased by our ships during drydocks. CO<sub>2</sub>e per kWh is not specific to supplier, thus, we are using location-based emission factors in our calculations\*. For Scope 2 CO<sub>2</sub>e, a 10% reduction was observed, compared to 2021.
- The  $\rm CO_2e$  due to electrical power purchased during ships' repairs and retrofitting in 2022, were 12.22 mt, while the  $\rm CO_2e$  due to electrical power purchased for office use were 41.06 mt.

161k tons

Total Scope 1 direct emissions (CO<sub>21</sub>) of our fleet in 2022

53 tons

Total Scope 2 indirect emissions (CO<sub>2</sub>,e) in 2022

15.3%

Total CO<sub>2</sub> emissions decrease of our fleet in 2022

√7.1%

Decrease in 2022, of our average fuel consumption per day per vessel

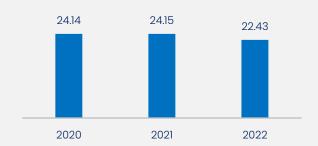
**2,205** TJ

Energy consumption in 2022 of our fleet

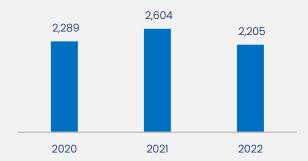
#### Scope 1 GHG emissions ('000 tons CO<sub>2</sub>e)\*\*



#### Average fuel consumption per day (mt) \*\*\*



#### Total energy consumption (TJ)



<sup>\*\*</sup> The GWPs used for CH4 and N2O are 25 and 298 times respectively of the CO2 GWP in 100 years period, also reported by European Commission on Eurostat.

<sup>\*</sup>The location-based carbon footprint is based on March 2022 report "Carbon Footprint Country Specific Electricity Grid Greenhouse Gas Emission Factors" at www.carbonfootprint.com

For CH4 and N2O fuel emission factors we have used EPA's 2014 paper "Emission Factors for Greenhouse Gas Inventories and used MDO/MGO density at 900kg/m3 and HFO density at 991ka/m3 as per MEPC.365(79).

<sup>\*\*\*</sup> Sailing days are derived from the total hours where the Vessel is underway, with Main Engine running.

## We reduced our air pollutants due to emissions by 14.7% compared to 2021

At Lemissoler we aim to minimize the negative environmental impacts related to our operations. This commitment includes a reduction of Nitrogen Oxides (NOx) and Sulfur Oxides (SOx) to the atmosphere which represent our fleet's primary pollutants.

#### SULPHUR EMISSIONS (SOX)

- On January 1st, 2020, the IMO introduced regulations to reduce the sulfur limit in the fuels used by ships from 3.50% to 0.50%. The amount of sulfur oxides emitted to the atmosphere is almost directly proportional to the amount of sulfur in the fuel (% m/m) burnt and the total amount of fuel used in vessel engines.
- In 2022, total \*Sulphur Oxides (SOx ) emissions of our fleet were 396 tons, decreased by 13.3% in relation to 2021, which is inline with the fuel consumption reduction.

#### NITROXIDE EMISSIONS (NOx)

- The combustion of marine fuels generates \*\*Nitrogen Oxides (NOx) emissions which are harmful to the environment, health, and closely correlate with CO<sub>2</sub> emissions and fuel consumption. The higher the combustion temperature, the greater the NOx formation.
- Control of NOx emissions is mainly achieved by reducing fuel consumption and equipping vessels with latest generation engines certified for lower NOx emissions. Our vessels are all equipped with NOx-controlled engines (Tier II) that meet the relevant IMO standards.
- In 2022 our fleet emitted 3,848 tons of NOx, a decrease of 14.9% in relation to 2021, which is as expected and inline with the fuel consumption reduction.

↓13.3%

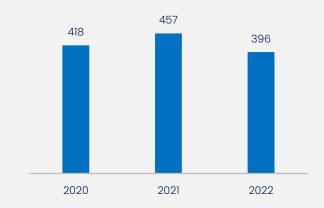
decrease of our fleet in 2022

In total SOx emissions

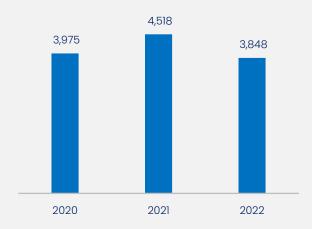
↓14.9%

In total NOx emissions decrease of our fleet in 2022

#### SOx emissions (tons)



#### NOx emissions (tons)



<sup>\*</sup> SOx emissions are calculated using the average Sulphur content in the Bunker Delivery Notes (BDNs) for HFO and 0.1% for MDO/MGO. For scrubber fitted Vessels, this figure is assumed as 0.1% for all fuel types, although scrubber operational logs indicate 0% for all times and modes of operation.

<sup>\*\*</sup> NOx emissions are calculated using a value of 75.9kg/ton for HFO fuel and 56.7lkg/ton for MGO/DO fuel and derived Fourth IMO GHG Study – July 2020.

## We continuously improve our on-board practices, to reduce our environmental impact

#### WATER MANAGEMENT

Fresh consumable water on board is either produced on board by the freshwater generator (sea water desalination process) or supplied from the shore. Being a precious resource for our on-board operations, we are committed to using it efficiently through continuous monitoring and consumption control.

For drinking water, specifically, after testing and receiving positive feedback at the end of 2020 on one of our vessels, within 2021 and 2022 we proceeded and installed on the whole fleet an enhanced Drinking Water Filtration System. It is estimated that over 70,000 plastic bottles per year have been eliminated.

#### **WASTE MANAGEMENT**

In addition to complying with MARPOL Annex V requirements, we also take the following extra steps across our fleet to reduce the amount of garbage generated:

- In addition to normal segregation for disposal ashore, our Vessels are fitted with processing equipment for almost all types of garbage generated onboard to allow reduction and ease the recycling process once ashore.
- 2) Steps have been taken to reduce single-use plastics onboard, such as supply of biodegradable equivalents, advising suppliers to retrieve wrapping material and

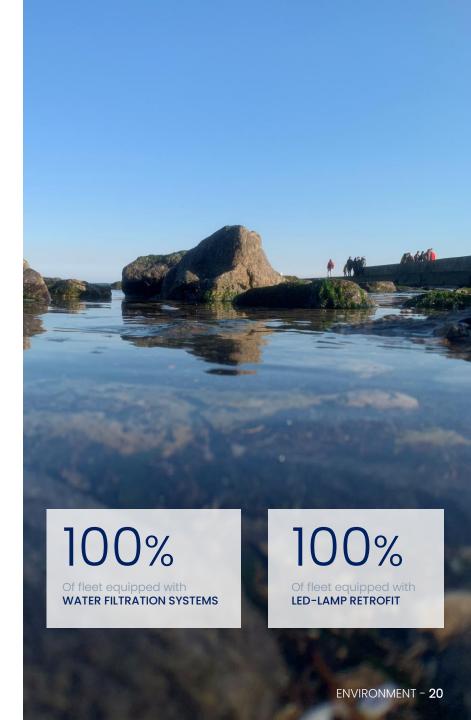
reduce their use on packaging, improve the onboard filtration systems to allow us to replace single used plastic bottles with reusable containers.

Our estimates indicate 5,800 single-use plastic bottles can be saved, per vessel per year. Another area we have focused on, is the reduction of single-use cleaning chemicals for domestic use, by utilizing a chemical mixing unit which uses large chemical drums to produce and fill reusable bottles instead.

3) All our fleet is fitted with Incinerators complying with latest requirements of MEPC.244(66) which allow for a more environmentally friendly operation and for a greater range of garbage types.

#### LED-LAMP RETROFIT

In 2020 we have initiated the installation of LED lights on board to reduce emission and fuel oil consumption and improve our Carbon Intensity Indicator (CII), bunker cost and OPEX. Within 2021 we have installed LED lamps in all areas where technically applicable (not possible for some systems).



## We act proactively to ensure timely and efficient compliance with all applicable regulations

#### **BALLAST WATER TREATMENT**

Following the requirement of the IMO Ballast Water Management Convention, that entered into force on September 8th, 2017, we have fitted 100% of our fleet with Ballast Water Treatment Systems (BWTS).

#### ENERGY EFFICIENCY EXISTING SHIP INDEX (EEXI)

We have proactively calculated the EEXI values for our vessels, based on the guidelines by IMO that were adopted in June 2021 (MEPC 76), and in cooperation with each respective classification society have received verification of the EEXI value per vessel.

#### MRV (EU & UK) and IMO DCS

We are fully compliant with the MRV (EU & UK) and IMO DCS regulations. We have established a standardized and structured process to ensure completeness, consistency and accuracy in our emissions monitoring and reporting process.

Emissions reporting for both MRV and IMO DCS purposes are audited and verified by an independent recognized organization.

#### SAFE SHIP RECYCLING

We are fully compliant with the EU regulation (1257/2013 on Ship Recycling) that came into force on December 31st, 2020 and refers to vessel recycling activities and the identification and monitoring of hazardous materials. All our vessels hold a valid IHM certificate.

#### SPILLS AND RELEASES TO THE ENVIRONMENT

We follow strict operating procedures, conduct regular risk assessments and apply high level safety standards in compliance with the current relevant legislation and our strong Health, Safety and Environmental management system in order to ensure that no harmful substances are disposed to the marine environment as a result of our operations.

100%

Of fleet equipped with BWTSs as of 31st Dec 2022

O zero

Non-compliance incidents

O zero

Spills to the marine environment

O zero

\* Class conditions / recommendations

#### REFRIGERANTS AND STERN TUBE SEALS

Our fleet consists of new modern vessels equipped with approved refrigerants with reduced Global Warming Potential (GWP). Additionally, during maintenance activities both in offices and on vessels, eco-friendly refrigerants that do not affect the ozone layer are being used.

Our vessels are equipped with eco-friendly stern tube seal systems of air seal design, which eliminate the risk of oil leaking into the sea.

#### **ENVIRONMENTAL COMPLIANCE**

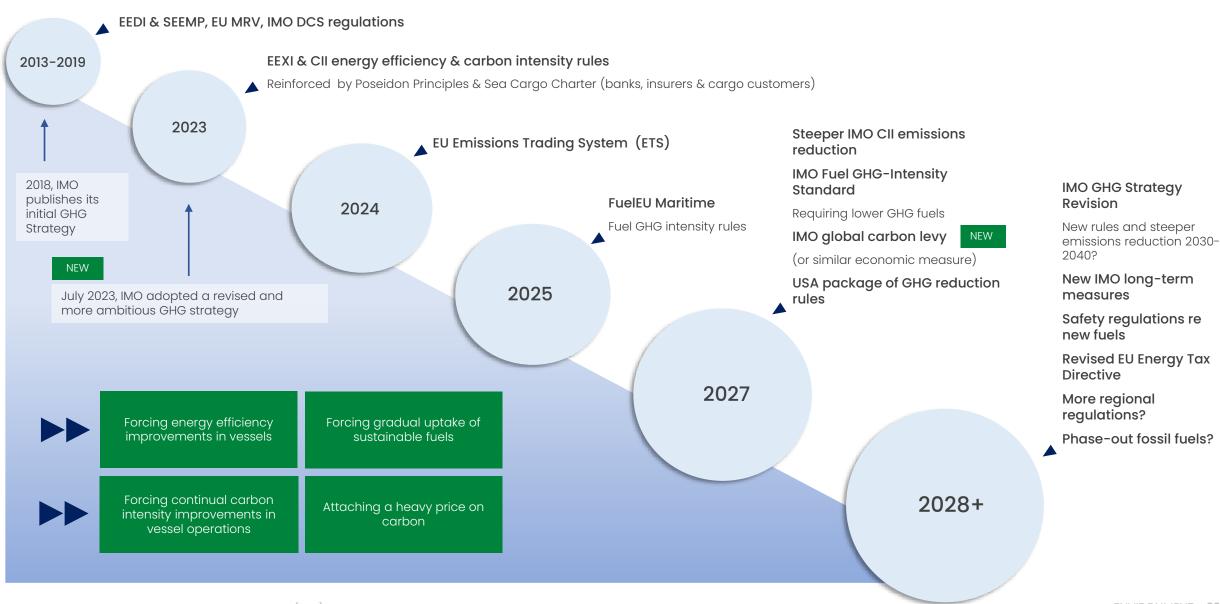
Compliance with all applicable environmental laws and regulations is foundational to how we do business.

\*During 2022, there were no incidents of noncompliance and no class recommendations related to environmental pollution incidents.

#### CYBER SECURITY

We monitor and assess cyber risks and implement measures across all our operations to eliminate all significant threats. We implement an appropriate scheme of cyber security governance and controls to protect our information assets.

### New regulations will put significant pressure on less efficient vessels



### New regulations leading to lower speeds and more scrapping from 2024

- From January 2023, IMO's global EEXI and CII regulations require vessels to combine technical and operational measures to improve their carbon intensity
- Shipping included in European Union Emissions Trading System (EU ETS) from January 2024

New Regulation	Requirement & Timing	Impact on the Industry
<b>EEXI</b> Energy Efficiency Existing Ship Index	<ul> <li>Technical design criteria</li> <li>Vessels maximum engine power will be capped</li> <li>Annual survey</li> </ul>	<ul> <li>No impact on Lemissoler vessels</li> <li>Larger impact on poorly designed vessels</li> <li>Reduction of maximum operating speeds</li> </ul>
CII Carbon Intensity Indicator	<ul> <li>Operational criteria</li> <li>Vessels will be rated A-E on actual fuel consumption and distance travelled</li> <li>2023 us the first year of measurement and 2024 first year of ratings</li> </ul>	<ul> <li>To retain same rating, 2% per year improvement required in 2024-2026</li> <li>Vessels rated D (repeatedly) and E will need to submit plans for improvement</li> <li>Will have larger impact than EEXI and can reduce speeds across dry bulk fleet by an average of 3 knots by 2030</li> <li>No impact on Lemissoler vessels (more on next slide)</li> </ul>
EU ETS European Union Emissions Trading System	<ul> <li>Shipping companies required to buy and surrender EU Allowance for CO2 emission in/out of the EU</li> <li>Obligation phased in: 40% for 2024; 70% for 2025; 100% for 2026</li> <li>Current EU carbon price €100/ton of CO2 and is expected to increase to €170/ton by 2026</li> <li>Penalty now fixed at €100 for every ton of CO2 unaccounted for</li> </ul>	<ul> <li>May drive faster pace of decarbonization:</li> <li>Near-term impact – reduction in speed</li> <li>Accelerate scrapping of older, less efficient vessels</li> </ul>

-116

## Our strategic decisions and milestones ahead of the CII and EU ETS regulations

#### 1. Fleet Performance Department was officially formed

- Daily interaction with vessels, collecting/monitoring/analyzing commercial, technical and emissions performance data.
- Proactively taking action to assist fleet to comply with emission related regulations and reporting.

#### 2. Two-way Performance Monitoring started in 2022

- Combined real time auto-log digital monitoring and manual daily noon report monitoring, to cross check data validity with the target of achieving full automation.
- This was achieved by investing heavily in real time CII monitoring, CII simulation, CII optimization via **KeelX Analytics**; while in parallel monitoring emission performance using manual daily reports submitted from vessels.
- Both real time auto-log digital monitoring and manual daily noon report monitoring was introduced, to cross check data validity with the target of achieving full automation

#### 3. Adapted our Chartering Operations Strategy

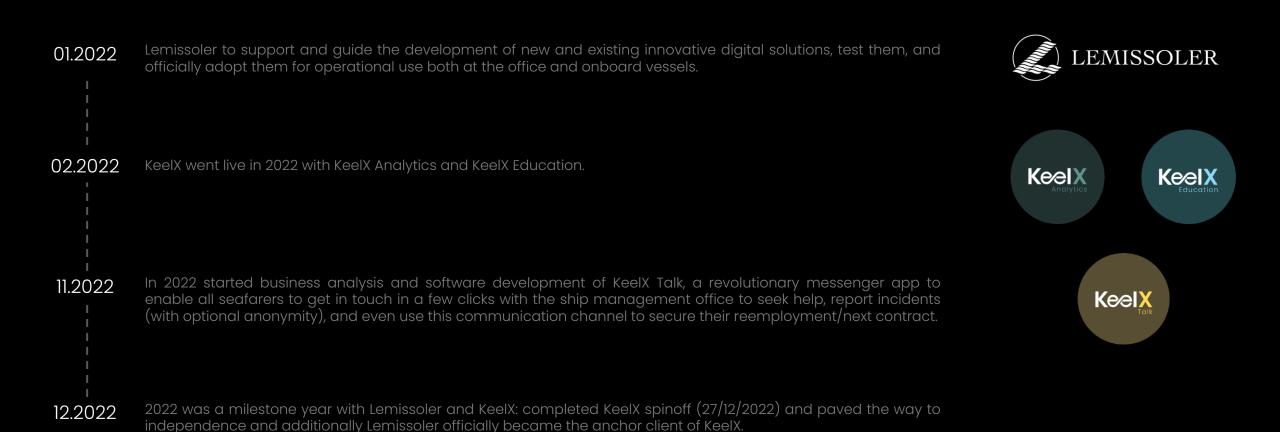
- Constantly simulating the expected CII impact of chartering decisions; e.g., simulating the expected CII of a vessel at next TCT, voyage, period and adapting the fixtures accordingly if necessary
- Started and maintained an open dialogue with charterers to ensure compliance and to avoid bad CII performance in a timely manner.

#### 4. Deep dived into Data Analysis

Analyzed CII performance and patterns to understand the Carbon Intensity Indicator's behavior, to know which factors affect it the most, what to monitor more extensively and what measures to take to ensure compliance e.g., speed, idle time, critical months of calendar year.

	2022						
Vessel	AER	Scores 2023-2026	Total CO2 (mt)	Total Distance (nm)	Total Sailing Time	Speed (Calculated)	CO2 / Distance
Anya	4.954	C C C	14,698	50,638	4,330	11.70	0.290
Brigitte	6.413	E E E	9,645	25,652	2,334	10.99	0.376
Elisa	4.884	C C C	13,700	47,845	4,258	11.24	0.286
Elsabeth C	5.072	C D D	14,442	48,546	4,321	11.23	0.297
Menomonee	5.330	D D D D	11,096	35,530	3,294	10.79	0.312
Mirela	5.044	C C D	14,858	50,163	4,272	11.74	0.296
Sheila	4.990	C C D	15,857	54,216	4,632	11.71	0.292
Victoria May	5.169	C D D	14,933	49,271	4,233	11.64	0.303
Lem Geranium	3.899	A B B B	13,771	54,582	4,531	12.05	0.252
Lem Gladiolus	4.543	C C C	11,958	40,714	3,844	10.59	0.294
Lem Marigold	4.489	C C C	14,521	50,026	4,394	11.39	0.290
Lem Verbena	4.374	C C C	11,279	39,859	3,498	11.40	0.283

## Increased our 2022 funding and active participation in green tech programs under development by KeelX





## SOCIAL









8 DECENT WORK AND ECONOMIC GROWTH





## We seek to and evidently do effectively manage the risks inherent to our operations

#### On Board Supt. Inspections, Audits and Port State Control Inspections

- Internal and external audits take place in order to ensure that we comply with all international and legal requirements related to the safety and integrity of our operations.
- We aim to physically inspect each vessel at least 2 times a year, once per year by our Technical Department and once per year by our Marine & Safety Departments.
- Our onboard inspections and attendances increased by 40% compared to 2021 as COVID-19 pandemic has subsided and there are minimal travel restrictions.
- \*Port State Controls (PSC) deficiency ratio increased to 0.44 compared to 0.20 in 2021.
- Our zero detentions performance continues into 2022.

#### Quality Recognitions ISO





We maintain ISO 9001 quality certification and all our Vessels have received a quality accreditation through the Qualship21 program by USCG (for applicable Flags).

#### Incidents within our Fleet

All related incidents are documented and taken into consideration when reassessing our safety management system.

In 2022, 23 incidents were reported, an increase of 28% in relation to 2021. From those, 15 were deemed as significant, which is an increase of 6.8% compared to 2021, where 14 significant incidents have been reported.

Mental stress of our Ukrainian crew due to the ongoing war in Ukraine, reporting of frequent minor incidents, such as Ballast Treatment technical issues, all contributed to the large increase noticed from 2021 report.

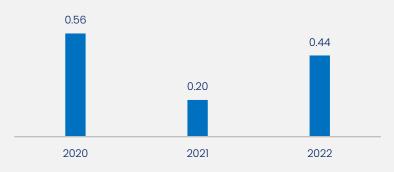
PSC deficiency ratio in 2022 (2021: 0.20)

PSC Detentions in 2022

On board attendances Increase in 2022

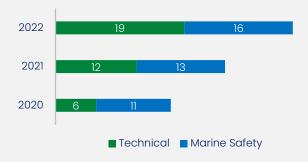
Incidents per ship in 2022 (2021: 1.50)

#### Port State Control Deficiency Ratio



\*PSC Deficiency ratio is derived by dividing total deficiencies with the total PSC inspections for the whole fleet each year.

#### On Board Inspections



#### Incidents per ship



## 4. SOCIAL

## **Our Crew**



## We maintain a unique mix of experienced and skilled seafarers

#### Our pool of seafarers:

- We have a pool of about 492 seafarers out of which around 228 are on board our vessels at any given time.
- Approximately 73% of our seafarers are manned by our exclusive Ukrainian manning agent, LEMISSOLER Ukraine SC, which supply our vessels with high-skilled crew. The remaining are sourced by other third-party manning agents.
- The agency is dedicated to recruiting, selecting, training and developing seafarers, and fostering positive crew relations.

#### Crew demographics:

Some of the key characteristics of our seafarer pool are the following:

- We employee seafarers from eleven (11) different countries.
- Most of our seafarers are from the Ukraine (73%).
- The average age of our seafarers is 38.7 years old, which is increased by 0.6 years compared to 2021.

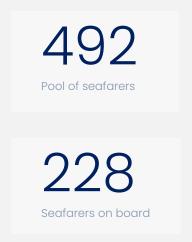
 $\uparrow 0.6$  years

38.

years old

Increase in average crew age in 2022

Average age of our crew in 2022

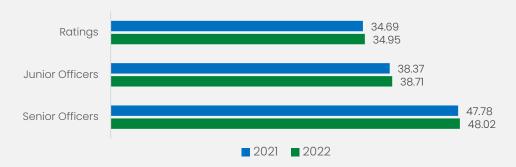


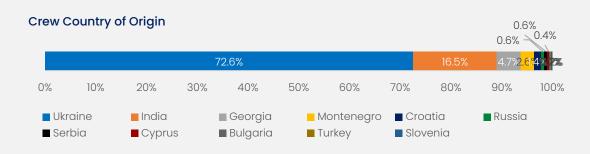


2022

2021







## Seafarers' well-being is one of the Company's top priorities

Health and safety of our people is of key importance and essential for the efficient operation of our activities. In 2022 we:

- Our total accidents increased 42.9% compared to 2021, of which 5 Lost Workday Cases (LWC), and 5 cases of lesser severity including first aid, restricted work and medical treatment cases.
- We believe a major factor is the ongoing war in Ukraine and COVID19 restrictions still in place, together contributing to a heavy mental toll for most of our crew. The physical and mental health of our people is of utmost importance to us. A psychological support line and medical consultancy are available for all our crew members in English and Ukrainian.
- During the humanitarian crisis that occurred in 2022, due to the war in Ukraine, we
  took immediate measures to actively help our crew. Specifically, a direct
  communication line -via emails and phone calls- was initiated between the
  Ukrainian seafarers and their families. In addition, we supported 60 evacuated
  people from the war zone and their repatriation as refuges to other countries.
- During 2022 we had zero (0) permanent disability cases and zero (0) fatalities.

Seafarers' remuneration is essential to the welfare of our crew:

- We remunerate and provide benefits to our crew fairly, based on the competency requirements of each position.
- In 2022, we paid our seafarers more than \$9.9 million in wages, remittances, bonuses, social security payments and cash advances.
- The average salary of our crew is approximately 21.5 times higher than the local GDP per capita (considering Ukraine where most of our crew is coming from).

5 five

Lost workday cases in 2022

O zero

Permanent disability cases in 2022

21.5 times

Proportion of seafarer salary in relation to local (Ukraine) GDP per capital

> \$9.9 mil.

In crew salaries and bonuses in 2022

Lost Time Incident Rate (LTIR) and Total Recordable Incident Rate (TRIR)\*



<sup>\*</sup> LTIR and TRIR are calculation using the million working hours methodology.

### Proportion of seafarer salary in relation to local (Ukraine) GDP per capital



## We attract and retain the right talents with career development opportunities

#### **Retention and Career Development**

We are passionate about our people and do what we can to provide a safe, supportive, enjoyable and fulfilling working environment:

- We provide long-term career development prospects to our crew. We have in place internal promotion programs through which position demands are covered internally by our crew members. In 2022 promotions decreased by 15.4% compared to 2021 due to the war in Ukraine (e.g., joined army, could not leave Ukraine).
- We managed, despite the war in Ukraine, to maintain high retention rates across all crew rankings, with an average \* of 90.5%, approximately at the same level in comparison with 2021 (when the average retention rate was ~ 91.0%).

#### **Crew Familiarization and Training**

We appreciate the significance of investing in the development of the skills of our people and we maintain an ongoing development program:

- Prior to embarkation seafarers acquire detailed familiarization through inhouse training sessions.
- Our seafarers periodically participate in seminars and forums, where a wide range of issues are presented and discussed.
- On board training sessions are organized through the collaboration of our Technical Department and Marine Safety Department (MSD).
- We continuously develop online training courses via KeelX Education that promote safety, efficient operations, claims mitigation, and career advancement
- The amount spent on trainings decreased by 36.5% in 2022 compared to 2021 due to the war in Ukraine.

90.5%

\*Average crew retention rate in 2022

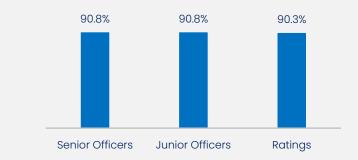
√15.4%

Crew promotions' decrease in 2022

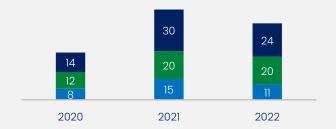
36.5%

Crew training spending reduction in 2022

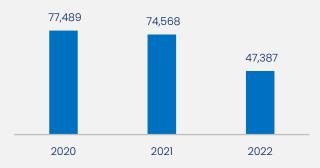
#### 2022 Crew Retention Rates



#### **Crew Promotions**



#### Amount Spend on Crew Training (US \$)



<sup>\*</sup> The average crew retention rate has been calculated based on retention rate for the entire pool of seafarers (including 27 ranks). The unavoidable and beneficial terminations have been excluded.

## 4. SOCIAL

## Our Onshore Employees



## Driven professionals with different backgrounds and shared goals

Our on-shore employees are key to all our endeavors. They keep our vessels and our business sailing ahead. Because of their dedication, responsiveness, accountability, professionalism, and reliability, we have been able to meet our business objectives and achieve client satisfaction.

As a global company, one of our strategic advantages is the diversity of our employees. We are proud of our diversity, and we seek to provide an inclusive environment for all our employees.

We strive to offer all employees a workplace in where every great idea can be heard, and everybody belongs. More specifically:

- The total headcount for 2022 is 66 on-shore employees under full-time contracts, an 3.1% increase in relation to 2021.
- Our on-shore team comes from a diverse cultural, age, educational and professional background.
- We maintain a 5.5 employee / vessel ratio to better support our vertically integrated Business Units from ashore.
- We promote equal opportunities between men and women employees Around 39.4% of our employees are women and 18.5% of our management and senior management positions are held by women.
- We offer equal career advancement opportunities, tangible benefits and bonus schemes that motivate and reward high performance.
- The Ukraine-Russia war and COVID-19 pandemic did not lead to any LEMISSOLER employees becoming redundant.

<sup>↑</sup>3.1%

Shore employees' increase in 2022

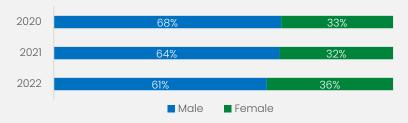
18.5%

Women in management and senior management positions

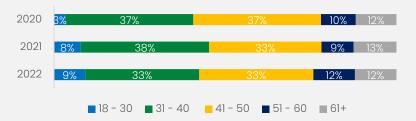
O zero

Redundancies in 2022

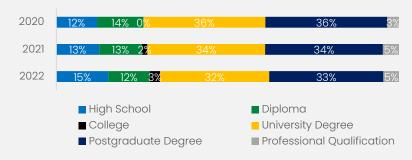
#### On Shore Employee Gender Composition



#### On Shore Employee Age Composition



#### On Shore Employee Educational Background



#### On Shore Employee Country of Origin



# We are committed to retaining and on advancing the career of our on-shore employees

#### Retaining and attracting top talent

LEMISSOLER continues to ensure that employee competencies support our long-term strategy. We count on them, and they count on us.

As part of this, LEMISSOLER increasingly focuses on providing employees with the opportunity for continuous development in their work. All employees are appraised for their annual performance by their managers and improvement objectives are set. The annual evaluations start as a self-assessment process and ultimately are linked to the compensation and benefits of each employee.

The work environment, career prospects and benefits we offer to our employees result in high employee satisfaction, which translates into high retention rates – 98.4% in 2022.

#### Opportunities while studying

We maintain a strong focus on our strategic partnerships with relevant local academic institutions, and over the years we have been consistently offering internship opportunities to students, many of which have resulted in permanent hires. Throughout the years, we have been consistently increasing our intern intakes and aim to maintain a steady intern hiring rate of 1 intern per 20 headquarter employees.

98.4%

Retention rate of shore employees in 2022

100%

Of our shore employees receive annual performance feedback

1

Internship in 2022

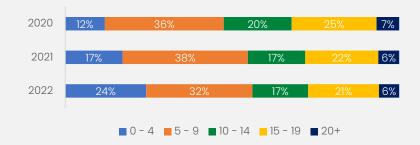
#### New Hires, Promotions and Internal Job Transfers



#### Interships



#### On Shore Employee Years at Lemissoler



## Strengthening our community with tangible contributions



#### Pan-Cypriot Interdepartmental Competition at MIEEK.

Money donation for the winners of the MIEEK competition with the topic: 'Optimization of supplier evaluation and selection criteria.'



#### Ukraine – Humanitarian Aid from Cyprus to Ukraine

Financial Contribution to the affected Ukraine citizens of the war



### "Christmas Packages of Love" of Limassol's Chamber of Commerce and Industry

Collection of basic goods for the "Christmas Packages of Love" for the 'Social Grocery Store' a voluntary social program which is a part of Limassol municipality.



#### Radiomarathon

Financial Contribution to the NGO for the welfare of their beneficiaries, mostly children with special needs.



#### Charity to "Limassol Child Welfare Association"

Donation for baby items, milk, baby food and equipment as well as financial sponsorships.



#### Migrant Information Center - Pournara Asylum Service

Donation in goods for the refugees at Pournara Asylum Service in Kokkinotrimithia, Nicosia. The goods were delivered at the miHUB Migrant Information Center in Limassol in December 2021.



#### **Breast Cancer Guide**

Money donation to support the publication of the Breast Cancer auide book.



#### **TEPAK Postgraduate Students Award**

Financial prize award to three top performing TEPAK postgraduate students of the Department of Commerce, Finance and Shipping.



#### Charity to "Popular Social Solidarity Network"

Financial support to "Popular Social Solidarity Network" that operates all year-round providing support to families who have great difficulty in meeting their elementary needs, mainly through the provision of food packages.



#### Voice of Autism Charity Foundation

Financial Contribution to the foundation that focuses on supporting young adults with disabilities.



## GOVERNANCE









### Management oversight and risk management

### **Board Diversity and Experience**

The foundations for structuring our strong corporate code are set by the Board of Directors through the Senior Management. Both are involved in the daily operation of the company and committed to the implementation of the code and policies from all company staff.

The Board oversees and assesses all risks related to the business.

	Philippos Philis CEO/Chairman	Petros Monogios coo	Stelios Adoni CFO	Aristos Philis Strategic Development
EXPERIENCE				
Resources	•	•	•	•
Executive directorship	•	•	•	•
C-suite	•	•	•	•
Global transactions	•	•	•	•
TECHNICAL SKILLS				
Leadership & Strategy	•			•
Financial Expertise	•		•	•
Ethics & Governance	•	•	•	•
Health & Safety		•		
Investor Relations	•		•	•
Communications & Reputation	•	•	•	•
Risk Management	•	•	•	•

#### **RISK MANAGEMENT**

Within the scope of our Risk Management procedures, we continuously monitor, assess and evaluate the risks that can affect our business operations and adopt all the necessary measures for the continuity of our business activities:

### **KEY RISK AREAS:**

- Health and safety of our people on board and ashore due to the COVID-19 pandemic.
- General dry bulk shipping market conditions (Supply & Demand).
- 3 Bunker prices and availability.
- Changes in international and regional rules and regulations.
- 5 General domestic and international political conditions.
- 6 The availability of financing and refinancing.
- 7 Counterparty risk.
- Market disruptive events (i.e., weather, bans, protectionism, sanctions, natural disasters, health crisis etc.).
- 9 Cyber security.
- 10 Interest rate fluctuations.

### Ethics and integrity are at the heart of our business

#### **OUR CODE OF BUSINESS**

All our onshore and offshore employees, as well as all employees of our subsidiaries are informed of the Code of Business.

Our Code of Business underlies our business actions and must be followed by all employees. The Senior Management handles the day-to-day operations of the company and is also responsible for the application of the Code and policies by all LEMISSOLER staff.

Any non-compliance with the Code's principles is considered a serious infringement and may lead to termination of contracts or even legal sanctions.

### **ANTI-CORRUPTION**

LEMISSOLER is committed to act in an honest, ethical and professional manner in all its business dealings and relationships. It is our responsibility to implement and enforce effective systems to counter bribery and corruption in all the places we currently operate in or propose to develop within. We commit to upholding all anticorruption and anti-bribery laws enforced by various jurisdictions. We abide by the Anti-Corruption Legislation, comprised of the UK Bribery Act 2010 (Bribery Act) and the United States Foreign Corrupt Practices Act of 1977 (FCPA).

#### REPORTING VIOLATIONS OF THE CODE

Our personnel should take all necessary steps to prohibit any form of misconduct by other employees or other Company personnel that violate the Code. Employees shall report any known or suspected misconduct to the Chairman of the Audit Committee or the Company's General Counsel. At Star Bulk, we encourage all our employees and third parties, to raise any issues regarding among others suspicious accounting matters, audit practices, internal controls, conflicts of interest, or fraud within the Company.

Employees have access to raise workplace and operational concerns directly with their manager or with the HR Department. If the matter cannot be managed effectively through these channels, employees may use LEMISSOLER's whistleblower scheme to report anonymously via KeelX Talk. The reports are directed to the Chairman and Head of Human Resources as well as the Head of Legal. In 2021, no reports were received.

0

zero

Violations of our Ethical principles & Anti Corruption Policy

O zer

Whistleblowing incidents



Incidents of corrupt practices

0

Of harassment or bullying

#### **OUR WHISTLEBLOWING POLICY**

Our staff is required to comply with all applicable laws and regulations, as well as our internal policies and procedures. We have established a whistleblowing mechanism via KeelX Talk, that allows our employees to report any violation, concealment, crime committed or likely to be committed, non-compliance incidents, actions damaging the environment, illegitimacy practices, malpractice or unethical conduct incidents, misrepresentation of material facts, breaches of legal obligation or regulatory requirements, and finally, miscarriages of justice. All complaints can be filed anonymously at any time.

#### PREVENTING HARASSMENT AND BULLYING

Incidences of harassment, discrimination, hostile, insulting or degrading behavior are contrary to our values and are clear violation of our Ethics Policy. Our policy on harassment and bullying stipulates that any employee or subcontractor that experiences or witnesses such an incident (both onboard and ashore), regardless of whether it takes place within or outside the workplace (including social functions, team away days, work trips, etc.), should be reported immediately.

### We operate ethically and transparently

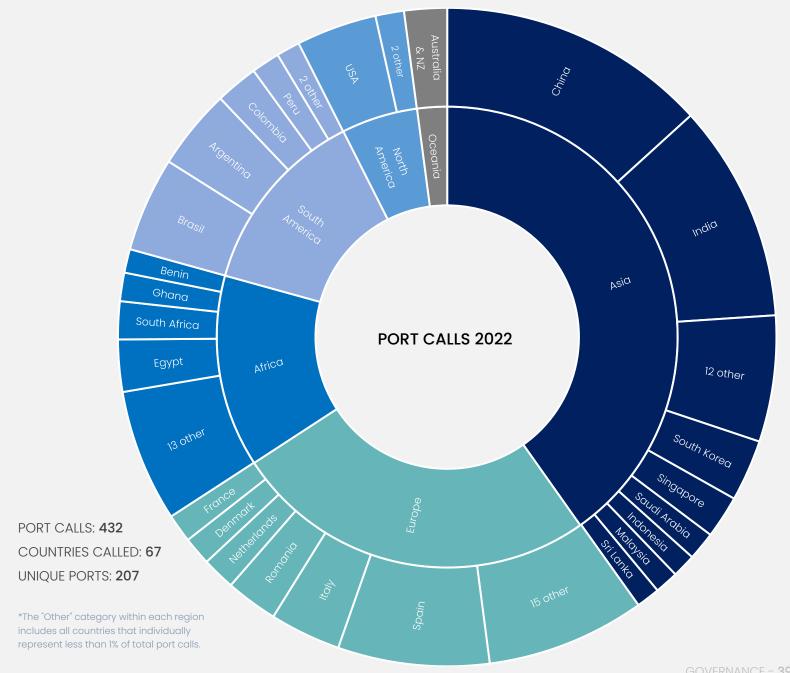
### TRANSPARENCY INTERNATIONAL **CORRUPTION PERCEPTION INDEX**

Our vessels operate globally and thus, geography plays a highly significant role to our exposure to corruption risks.

We closely monitor the degree of corruption in the countries and territories we operate in.

In 2022, the calls at ports in countries that have the 20 lowest rankings in the Transparency International's Corruption Perception Index (CPI) for our entire fleet were zero.

Port calls in countries with the 20 lowest rankings in Transparency International's Corruption Perception Index



# We use high-end digital technology and advanced cyber security systems

### Protection

The International Maritime Organization (IMO) adopted a resolution on Maritime Cyber Risk Management, that requires ship owners and managers to assess cyber risk and implement relevant measures across all functions of their safety management system, until the first Document of Compliance, effective as of 1st January 2021.

We implement an appropriate scheme of cyber security governance and controls, to protect our information assets. Our method is to ensure that we apply the right architecture, technology and policies to inhibit, identify, prepare for and recover from any cyber-attacks promptly.

### Recovery

We have a formal Business Continuity Plan (BCP) in place that sets out fallback arrangements in the event of a communications or IT systems blackout. Company-wide BCP drills are carried out regularly to ensure that our teams are familiar with the relevant procedures and to seek improvements in our contingency plans and processes. We select reputable IT service providers and regularly evaluate our cloud-service providers' internal controls and independent assurance reports.

O zero

Cyber Security Incidents in 2022

>\$103k

Invested in Cyber Security in 2022

>\$450k

Invested in Information and Communication Technology in 2022

### Our Cybersecurity Program

We implement a robust scheme of cyber security governance and controls to protect our information assets. We apply the right architecture, technology and policies to inhibit, identify, prepare for and recover from any cyber attacks promptly.

### Our **Endpoint protection system** includes:

- Monitoring capabilities (process, network, registry, memory, files).
- Detection capabilities (different types of malware).
- Response capabilities (blocking, host isolation, remote investigation).
- Coverage of all systems within IT environment.
- · Interoperability with other security solutions in-place.
- Bandwidth requirements and potential impact on endpoints (CPU, RAM, hard disk).
- Security controls of the End Point Detection and Response (EDR) solution itself.
- Compatibility with existing or future Security Information and Event.
- Management (SIEM) solution.

Our **Firewall upgrade** includes advanced features regarding inspection, prevention, monitoring and reporting.

Our **Hardware upgrade** on board include the installation of a server onboard to comply with Cyber Security regulation (user access management, security policies, Control Changes etc.).

# Appendix A - ESG Performance Data

	2020	2021	2022
ENDIDONINENTAL PERFORMANCE			
ENVIRONMENTAL PERFORMANCE			
Energy efficiency			
AER (gr CO2 / DWT – nautical mile)	4.66	4.81	4.84
EEOI (gr CO2/ton – nautical mile)	7.68	7.89	7.72
Energy consumption			
Heavy fuel oils (1,000 tons)	49.23	55.83	48.23
Marine gas oils (1,000 tons)	4.21	4.95	3.30
Energy consumption (total, GJ)	2,289	2,604	2,205
Transport work (million ton miles)			
Owned and operated vessels	21,724	24,041	20,817
OOO amiasiana (tana)			
CO2 emissions (tons)	100.000	100 70 4	100757
Scope 1 GHG emissions (CO <sub>2</sub> e)	166,803	189,734	160,757
Scope 2 GHG emissions (CO <sub>2</sub> e)		59 	53
Other emissions (tons)			
SOx emissions	418	457	396
NOx emissions	3,975	4,518	3,848
Spills			
Spills			
Spills > 1 barrel	0	0	0

	2020	2021	2022
SOCIAL PERFORMANCE			
Employees (on shore)			
Employees (average FTE)	59	64	66
Nationalities represented (of total workforce)	9	9	10
Women in managerial positions (%)	21	19	19
Gender split			
- gender with the lowest representation ♀ (%)	32	36	39
Safety (at sea)			
Fatalities	0	1	0
Lost time injury ratio (million working hours)	0.00	0.50	2.73
Port state control deficiency ratio	0.56	0.20	0.44
Port state control detentions	0	0	0
GOVERNANCE PERFORMANCE			
Business ethics			
Port calls in 20 lowest ranking countries			
in Corruption Perception Index	0	0	0
Monetary losses as a result of legal proceedings			

### Appendix B – Our stakeholders

At LEMISSOLER we appreciate the role and significance of our stakeholders when it comes to defining our sustainability strategy.

Their insight enriches our understanding of their needs which assists our decision-making process and ensures that our sustainability actions and reporting is relevant and responsive to their expectations and concerns.

Stakeholder Group		Stakeholder Type	Stake	Stakeholder Group		Stakeholder Type
000	Customers	<ul><li> Vessel Owners</li><li> Charterers</li><li> Cargo Owners</li></ul>			Authorities	<ul><li>IMO</li><li>EU</li><li>Governments</li><li>Flag Administrations</li><li>Port Authorities</li></ul>
288	Seafarers & Office employees	<ul><li>Crew on board</li><li>Office Employees</li><li>Manning Agents</li></ul>			Suppliers	<ul><li>Manufacturers</li><li>Ship-Yards</li><li>General Suppliers</li><li>Port Agents</li><li>Bunker Suppliers</li></ul>
(S)	Shareholders / Investors	<ul><li>Private Educated Investors</li><li>Institutional investors</li><li>Funds / Private Equities</li></ul>	(8	888	Community & Society	<ul><li>Academic Institutions</li><li>Local Communities</li><li>NGO's</li><li>Media</li></ul>
	Financial Institutions	<ul><li>Banks</li><li>Leasing Financial Institutions</li></ul>			Industry Organizations	<ul><li>Classification Societies</li><li>P&amp;I Clubs</li><li>Insurers/Underwriters</li><li>Vetting Companies</li><li>Industry Associations</li></ul>

For more details regarding the engagement process followed for each stakeholder group, please refer to "Appendix A - Stakeholder's engagement" on page 47

# Appendix B – Stakeholders' engagement

Stakeholder Group	Basis for engagement	Engagement methods	Frequency	Key areas of interest	Our Response
Clients  • Vessel Owners  • Charterers  • Cargo Owners	Customers, including charterers, cargo owners etc. are vital to the organization's success and have a direct interest in our market impact and sustainability performance.	Charter Parties     Feedback	• Strategic • Spot	<ul><li>Service quality</li><li>Business ethics</li><li>Financial performance</li><li>Vessel condition</li></ul>	We constantly strive to increase our service quality in order to deliver sustainable and value adding services to all our clients. We provide and exchange a full set of voyage related data via KeelX.
Seafarers & Office Employees  • Crew on board • Employees ashore • Manning agents	Our people are critical to our business, strategy and decision making. We therefore aim to maintain a safe and rewarding work environment to achieve our goals.	<ul> <li>Performance evaluation</li> <li>Open communication channels</li> <li>Newsletters</li> <li>Social Media Platforms</li> </ul>	<ul><li>Annually</li><li>Daily</li></ul>	<ul> <li>Financial performance</li> <li>Work conditions</li> <li>Health and safety</li> <li>Remuneration and benefits</li> <li>Career development</li> <li>Promotional Opportunities</li> </ul>	We put health and safety first and aim for an open and inclusive work environment both on board and ashore. We fairly reward and offer career advancement opportunities to our people.
Shareholders/Investors  • Private Educated Investors  • Institutional investors  • Funds/Private Equities	Shareholders are essential to the company's operations and growth and have a direct interest in the company's performance.	<ul> <li>BoD/AGM</li> <li>Quarterly Financial, Market and Technical Reporting</li> <li>Bi-Annual Risk Reporting</li> <li>Monthly Operational Reporting</li> <li>Investor briefings</li> <li>Investor Roadshows</li> <li>Web site/Press releases</li> </ul>	<ul><li>Annually</li><li>Quarterly</li><li>Extraordinary</li></ul>	<ul> <li>Financial performance</li> <li>Business strategy</li> <li>Governance</li> <li>Regulatory compliance</li> <li>Environmental compliance</li> </ul>	We regularly inform our shareholders on the company's development and strategy. We conduct our business and take actions with the ultimate goal of increasing the Shareholders' value.
Financial institutions  Banks  Leasing financial institutions	Financial institutions require information on the company's performance with a rising interest in sustainability.	<ul> <li>Quarterly/Annual financial reporting</li> <li>Liquidity Reports</li> <li>Financial Covenants Reports</li> </ul>	Annually     Quarterly	<ul><li>Financial performance</li><li>Business strategy</li><li>Governance</li><li>Reporting framework</li></ul>	We provide transparent information about the performance, strategy and outlook of the company.

# Appendix B - Stakeholders' engagement (cont'd)

Stakeholder Group	Basis for engagement	Engagement methods	Frequency	Key areas of interest	Our Response
Authorities  IMO EU Governments Flag Administrations Port Authorities	Active engagement with state and regulatory authorities to ensure compliance with all applicable standards and regulations.	<ul><li>External Audits</li><li>DCS</li><li>MRV</li></ul>	• Periodical	<ul><li>Regulatory compliance</li><li>Health and safety</li><li>Environmental performance</li><li>Statutory</li></ul>	We follow and comply with State and regulatory authorities' rules and regulations. We follow and implement all instructions and aim for zero non-conformities.
Suppliers  • Manufacturers  • Ship-Yards  • General Suppliers  • Port Agents  • Bunker Suppliers	We aim to understand our suppliers' concerns and develop channels of mutual support that enhance the quality of our supply chain and focus to develop long term collaboration and exploit opportunities.	<ul><li>Supplier evaluations</li><li>Agreements</li><li>Joint development contracts</li></ul>	• On going	<ul><li>Financial performance</li><li>Business ethics</li><li>Evaluation criteria</li><li>Environmental performance</li></ul>	We evaluate the performance of our suppliers and integrate sustainability related issues within the evaluation process.
Community & society  • Academic Institutions  • Local Communities  • NGO's  • Media	We aim to have a positive impact on society by creating strong partnerships within the communities in which we operate.	<ul><li>Financing R&amp;D programs</li><li>Conferences</li><li>Community engagement initiatives</li></ul>	• On going	<ul><li>Support of People</li><li>Community support</li><li>Responsible business practices</li><li>Social Responsibility</li></ul>	We support the local society with community-focused initiatives and take their needs into consideration to maximize shared value.
Industry organizations  Classification Societies P&I Clubs Insurers/Underwriters Vetting Companies Industry Associations	Industry standards and regulations set by maritime organizations play a major role in the manner we conduct our business.	<ul><li>Agreements</li><li>Partnerships</li><li>Formal meetings</li><li>Memberships</li></ul>	• Strategic	<ul> <li>Prudency of conducting our business</li> <li>Regulatory compliance</li> <li>Sanctions compliance</li> <li>Environmental performance</li> <li>Health and safety</li> </ul>	We participate and engage with all industry organizations regarding the various business issues that may arise.

# Appendix C – SASB Marine Transportation Material Issues

Category	Disclosure topic	Code	Page Reference
	Gross global Scope 1 emissions	TR-MT-110a.1	18
GHG emissions	Description of long-term and short-term strategy or plan to manage Scope I emissions, emissions reduction targets, and an analysis of performance against those targets	TR-MT-110a.2	-
GHG ettilissions	(1) Total energy consumed, (2) percentage from heavy fuel oil, (3) percentage from renewables	TR-MT-110a.3	18
	Energy Efficiency Design Index (EEDI) for new ships	TR-MT-110a.4	-
Air Quality	Air emissions for the following pollutants: NOx, SOx, and particulate matter (PM)	TR-MT-120a.1	19
	Shipping duration in marine protected areas and areas of protected conservation status	TR-MT-160a.1	-
Ecological Impacts	Percentage of fleet implementing (1) ballast water exchange and (2) ballast water treatment	TR-MT-160a.2	20
	(1) Number and (2) aggregate volume of spills and releases to the environment	TR-MT-160a.3	21
Employee Health and Safety	Lost time injury rate (LTIR)	TR-MT-320a.1	30
Business ethics	Number of calls at ports in countries that have the 20 lowest rankings in Transparency International's Corruption Perception Index	TR-MT-510a.1	39
240000	Amount of legal and regulatory fines and settlements associated with bribery or corruption	TR-MT-510a.2	38
	Number of serious marine incidents	TR-MT-540a.1	41
Accident & safety management	Number of Conditions of Class or Recommendations	TR-MT-540a.2	-
	Number of port state control (1) deficiencies and (2) detentions	TR-MT-540a.3	27

# Appendix D - GRI STANDARDS CONTENT INDEX

<b>GRI Indicator</b>	Description	Section References and Comments	Page				
GRI 2 General D	isclosures 2021						
Organizational	Profile						
2-1	Organizational details	About Lemissoler	5				
2-6	Activities, value chain and other business relationships	About Lemissoler	5				
2-1	Organizational details	Limassol, Cyprus	5				
2-1	Organizational details	About Lemissoler	5				
2-1	Organizational details	About Lemissoler	5				
2-6	Activities, value chain and other business relationships	About Lemissoler	5-9				
2-6	Activities, value chain and other business relationships	About Lemissoler	5				
2-7	Employees	About Lemissoler	5, 26-34				
2-6	Activities, value chain and other business relationships	About Lemissoler	5-9				
2-6	Activities, value chain and other business relationships	No Significant changes to the organization's size, structure, ownership, or occurred in 2021.					
2-23	Policy commitments	Environment	16-25				
2-28	Membership of associations	Environment	11				
Strategy	Strategy						
2-22	Statement on sustainable development strategy	Message from our CEO/Chairman	3				
Ethics and Integ	grity						
2-23	Policy commitments	Governance	38				
2-26	Mechanisms for seeking advice and raising concerns	Governance	38				

# Appendix D - GRI STANDARDS CONTENT INDEX (cont'd)

<b>GRI Indicator</b>	Description	Section References and Comments	Page			
GRI 2 General Disclosures 2021						
Governance						
2-9	Governance structure and composition	Governance	37			
Stakeholder Eng	gagement					
2-29	Approach to stakeholder engagement	Appendix B	42-44			
2-30	Collective bargaining agreements	Our employees are not covered by collective bargaining agreements.				
2-29	Approach to stakeholder engagement	Appendix B	42-44			
2-29	Approach to stakeholder engagement	ESG at Lemissoler	13-15 42-44			
Reporting pract	tice					
2-2	Entities included in the organization's sustainability reporting	About Lemissoler	5			
3-1	Process to determine material topics	ESG at Lemissoler, Appendix B	13-15 42-44			
3-2	List of material topics	ESG at Lemissoler, Appendix B	13-15 42-44			
2-4	Restatements of information	Environment	17-19			
3-2	List of material topics	Environment	13			
2-3	Reporting period, frequency and contact point	About this Report	2			
2-3	Reporting period, frequency and contact point	About this Report	2			
2-3	Reporting period, frequency and contact point	About this Report	2			
2-5	External assurance	Independent Assurance Statement	50			

### Appendix D - GRI STANDARDS CONTENT INDEX (cont'd)

GRI Indicator	Description	Section References and Comments	Page				
GRI 3 Material To	GRI 3 Material Topics 2021						
3-3	Management of material topics	ESG at Lemissoler, Appendix B	13-15 42-44				
3-3	Management of material topics	ESG at Lemissoler, Appendix B	13-15 42-44				
3-3	Management of material topics	ESG at Lemissoler, Appendix B	13-15 42-44				
GRI 200 Econom	nic						
GRI 201 Econom	nic Performance						
201-1	Direct economic value generated and distributed	About Lemissoler	5				
GRI 205 Anti-co	orruption						
205-3	Confirmed incidents of corruption and actions taken	Governance	38				
GRI 300 Econom	nic						
GRI 302 Energy							
302-1	Energy consumption within the organisation	Environment	18				
GRI 305 Emissio	ons						
305-1	Direct (Scope 1) GHG emissions	Environment	18-19				
305-7	Nitrogen oxides (NOX), sulfur oxides (SOX), and other significant air emissions	Environment	19				
GRI 306 Effluents and waste							
306-3	Significant spills	Environment	21				
GRI 307 Environ	ment compliance						
307-1	"Non-compliance with environmental laws and regulations	ESG at Lemissoler, Environment	21-25				

### Appendix D - GRI STANDARDS CONTENT INDEX (cont'd)

GRI Indicator	Description	Section References and Comments	Page
GRI 400 Social			
GRI 401 Employm	nent		
401-1	New employee hires and employee turnover	Social	34
GRI 403 Occupat	tional health and safety		
403-1	Occupational health and safety management system	Social	27
403-2	Hazard identification, risk assessment, and incident investigation	Social	27
403-3	Occupational health services	Social	27
403-4	Worker participation, consultation, and communication on occupational health and safety	Social	27
403-5	Worker training on occupational health and safety	Social	27
403-6	Promotion of worker health	Social	27
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Social	27
403-8	Work-related injuries	Social	27
GRI 404 Training	and education		
404-3	Percentage of employees receiving regular performance and career development reviews	Social	31, 34
GRI 405 Diversity	and equal opportunities		
405-1	Diversity of governance bodies and employees	Social	29-35
GRI 406 Nondisc	rimination		
406-1	Incidents of discrimination and corrective actions taken	We had no incidents of discrimination in 2022	

### Independent Assurance Statement

### Independent limited assurance report of American Bureau of Shipping to LEMISSOLER NAVIGATION CO. LTD

### To the stakeholders of Lemissoler Navigation

American Bureau of Shipping was engaged by Lemissoler Navigation Co. Ltd to report on the ESG data & metrics ("the Metrics") of Lemissoler Navigation Co. Ltd 's Sustainability Report ("the Report") for the year ended 31st December 2022 in the form of a limited assurance conclusion about proper preparation of the metrics, in all material respects, in accordance with Lemissoler Navigation Co. Ltd's own methodology for sustainability report development ("the Methodology").

This independent limited assurance report is made solely to Lemissoler Navigation Co. Ltd in accordance with the terms of our engagement as mentioned in the signed Agreement (Document number: QUO-16155-PIYID, signed on 15<sup>th</sup> October 2022). Our work has been undertaken so that we might provide limited assurance to Lemissoler Navigation Co. Ltd. on those matters that we have been engaged to consider in this report only and for no other purpose. To the fullest extent permitted by law, we do not accept or assume any responsibility to anyone other than Lemissoler Navigation Co. Ltd for our work, for this independent limited assurance report, or for the conclusions we have reached.

### Responsibilities of the directors

The directors of Lemissoler Navigation Co. Ltd are responsible for the proper preparation of the Report, and the Metrics, information and statements contained therein, in accordance with the Methodology.

It is the directors' responsibility to develop, operate and maintain internal systems and processes relevant to the proper preparation of a Report that is free from material misstatement, whether due to fraud or error.

### Responsibilities of American Bureau of Shipping

Our responsibility is to independently express a limited assurance conclusion to Lemissoler Navigation Co. Ltd, based on the procedures performed and evidence obtained, as to the preparation of the Report, in all material respects, in accordance with the Methodology and reference to the standards outlined in the Scope of work. We conducted our work in accordance with International Standard on Assurance Engagements 3000: Assurance Engagements other than Audits or Reviews of Historical Financial Information ("Standard"), issued by the International Auditing and Assurance Standards Board. The Standard requires that we obtain sufficient and appropriate evidence related to the Metrics that is free of material misstatement on which to base our conclusion.

### Scope of work

A limited assurance engagement involves planning and performing procedures to obtain sufficient appropriate evidence to obtain a meaningful level of assurance over the Metrics as a basis for our limited assurance conclusion. The procedures selected depend on our judgment, on our understanding of the Report and other engagement circumstances, and our consideration of areas where material misstatements are likely to arise.

The procedures performed included:

- Reviewing the Lemissoler Navigation Co. Ltd.'s Sustainability Report for the year ending on 31st December 2022 and identifying key metrics for review.
- Investigating, observing, inspecting, and reporting on the processes and documents, and agreeing or reconciling with the underlying records to check errors or omissions in data analysis, consistency, and reasonableness of reporting.
- Data collection, including limited substantive testing, on a selective basis to verify the Metrics stated in the report.
   Recalculations were done as required to verify the data.

The procedures performed in a limited assurance engagement vary in nature and timing from and are not as extensive as a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.

#### **Inherent limitations**

In providing our limited assurance conclusion, we relied on the information and documents provided to us by Lemissoler Navigation Co. Ltd. To the best of our knowledge, there are no circumstances which would render such information or documents unreliable. Because of such reliance, there may be errors or irregularities which may not be detected.

Limited assurance engagements are based on selective testing of the information and data being examined, and there is possibility that fraud, error, discrepancy or non – compliance may occur and not be detected. An assurance engagement is not designed to detect all instances of non – adherence to the reporting standards GRI Sustainability Reporting Standards (GRI Standards) and Sustainability Accounting Standards Board (SASB), as the assurance engagement is not performed continuously throughout the year and the procedures performed are on a test basis.

The conclusion expressed on in this report has to be read in conjunction with the inherent limitations stated as above.

#### Conclusion

Based on the procedures performed and evidence obtained, and subject to the key assumptions and inherent limitations set out above, nothing has come to our attention that causes us to believe that the Metrics presented in Lemissoler Navigation Co. Ltd. Sustainability Report for the year ended 31st December 2022 is not prepared, in any material respects, in accordance with the Methodology.

### American Bureau of Shipping

438 Alexandra Road, #11-00 Alexandra Point Singapore 119958 sustainability@eagle.org



# Thank you and please feel free to send us your feedback

### We value your feedback

We welcome your feedback on this Sustainability Report and our approach to sustainability. Scan this QR code for easy access to our <u>Stakeholder Feedback Form</u> feedback form:



Alternatively, you can direct your questions, comments or suggestions about this report, our sustainability program or our performance to our Sustainability Team at E-mail: <a href="mailto:corporate@lemissoler.com">corporate@lemissoler.com</a>.

### Contact us

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