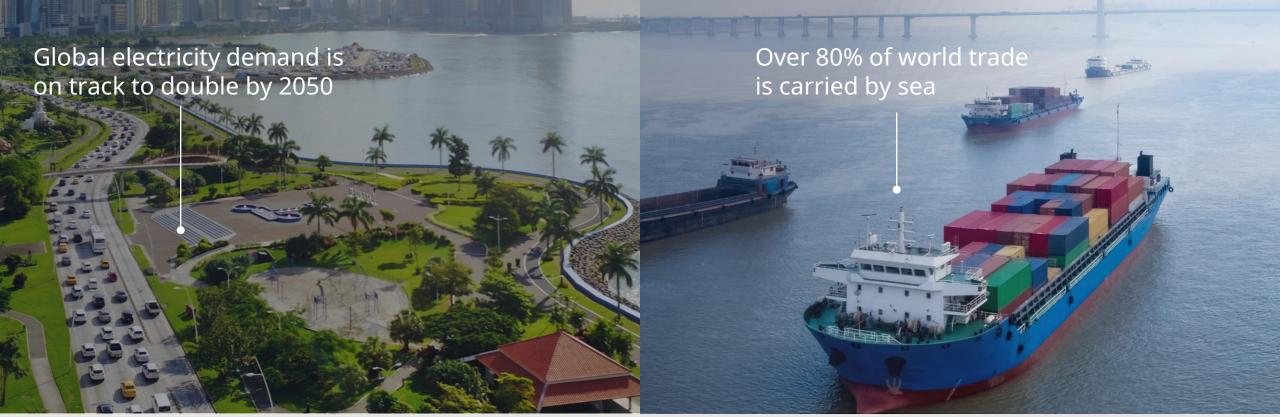




Our everyday lives depend on a steady supply of electricity and goods shipped to us from across the world

The marine and energy sectors currently generate > 1/3 of global greenhouse gases



© WÄRTSILÄ





Green is not black or white

No single solution will get us through the transition alone Fossil fuels will play a role for decades

Most of the needed technologies already exist



Our solutions help our customers towards success by reducing emissions, improving efficiency and cutting costs



We innovate along with our ecosystems



We work to make decarbonisation both environmentally sustainable and financially viable





We are a global leader in technology and services

Serving our customers wherever they are in the world



Of the 110,000 large vessels out at sea 1/3 carry Wärtsilä solutions on board



In 180 countries

Wärtsilä energy installations provide reliable power

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Two centuries of innovation



1834

A sawmill is established in a Finnish village, Värtsilä.

1995

Our dual-fuel engine can switch fuel during operation.

2015

Our engine in Guinness World Records.

First methanol conversion for customer's engines.

2023

As one of the 100 most influential companies*, we continue our story of world firsts with a 4-stroke engine-based ammonia solution for marine.

1950s

Our first marine engines.

1970s

We enter the energy sector.

2001

Remote monitoring enriches our service offering.

2012

World's first hybrid system on a vessel.

2022

Our first newbuild methanol engines.

2024

As one the world's most sustainable companies* we launch the world's first 100% hydrogen-ready engine power plant concept.

*recognition by TIME magazine

Public

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A culture that fuels our power

84%

of Wärtsilians are proud of our company's efforts to have a positive impact in the world.

90%

of Wärtsilians feel that work here meets or exceeds our expectations.

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WÄRTSILÄ

> 50%

of our sales come from services.

> 90%

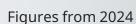
of our lifecycle customers renew their service agreement.

30%

of our installed base is covered by agreements or performance-based agreements.

90%

of our customers' support cases we solve remotely in our 24/7 Expertise Centres, preventing issues before they arise.





Provide a product portfolio ready for zero-carbon fuels

Our investment and long-term research efforts have resulted in several milestones and industry firsts. Our engines can already now run on low- and zero-carbon fuels – such as ammonia, hydrogen, and methanol.

Become carbon neutral in our own operations

By the end of 2024, we have decreased our greenhouse gas emissions by 50% compared to the 2021 baseline.

25% reduction of direct suppliers' greenhouse gas emissions

A new target set in 2024.

Håkan Agnevall, President & CEO











Stronger need to reduce emissions

- Energy demand and trade growing
- Policies and regulations
 - Marine: net zero greenhouse gases ~2050
 - Energy: countries with net zero targets cover 88% of global emissions



Technology development

- Renewables take over
- Focus on fuel-flexible technologies and sustainable fuels
- Other solutions cutting emissions, such as abatement and battery technology



Increased connectivity and data

- Installations and systems grow in data and complexity
- Holistic optimisation for efficiency and cost savings

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Burn less fuel

More efficient operations and solutions

Clean up emissions

Carbon capture, exhaust treatment

Use alternative energy sources

Sustainable fuels, hybridisation and electrification

A 100% reduction in greenhouse gas emissions will require the adoption of sustainable fuels

Decarbonising the energy industry with renewables and balancing power

WÄRTSILÄ

Curtailment of renewable energy caused by system inflexibility

Decrease running hours of inflexible power plants.

Continue adding renewables supported by flexibility.

Add balancing

engine power plants and energy storage

Phase out inflexible power plants

storage.

Utilise Power-to-X and

flexible balancing engine power plants to provide carbon-neutral long-term

Convert remaining power plants

5

A 100% renewable energy future is here

It is based on renewables, energy storage, and balancing engine power plants that run on sustainable fuels

1

Add renewables

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We are a technology leader in the decarbonisation transformation





Fuel-flexible engine technology



Industry-leading fuel research



Hybrid, battery, and energy storage solutions



Digital solutions to optimise **and secure** operations and service



Energy-saving technologies



Services: broadest network **and** lifetime support, Decarbonisation services



Emission-abatement technologies



Industry know-how and modelling of power systems







Engine optimisation and fuel flexibility



Electrification and hybrid systems



Energy-saving solutions



Abatement systems and carbon capture



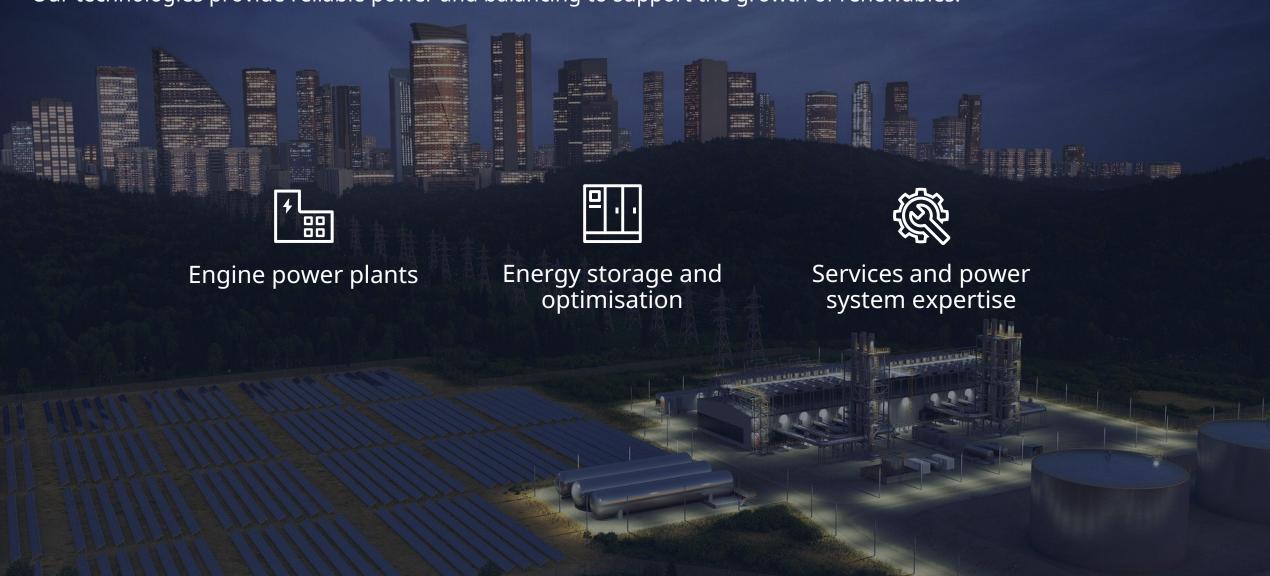
Lifecycle solutions and services

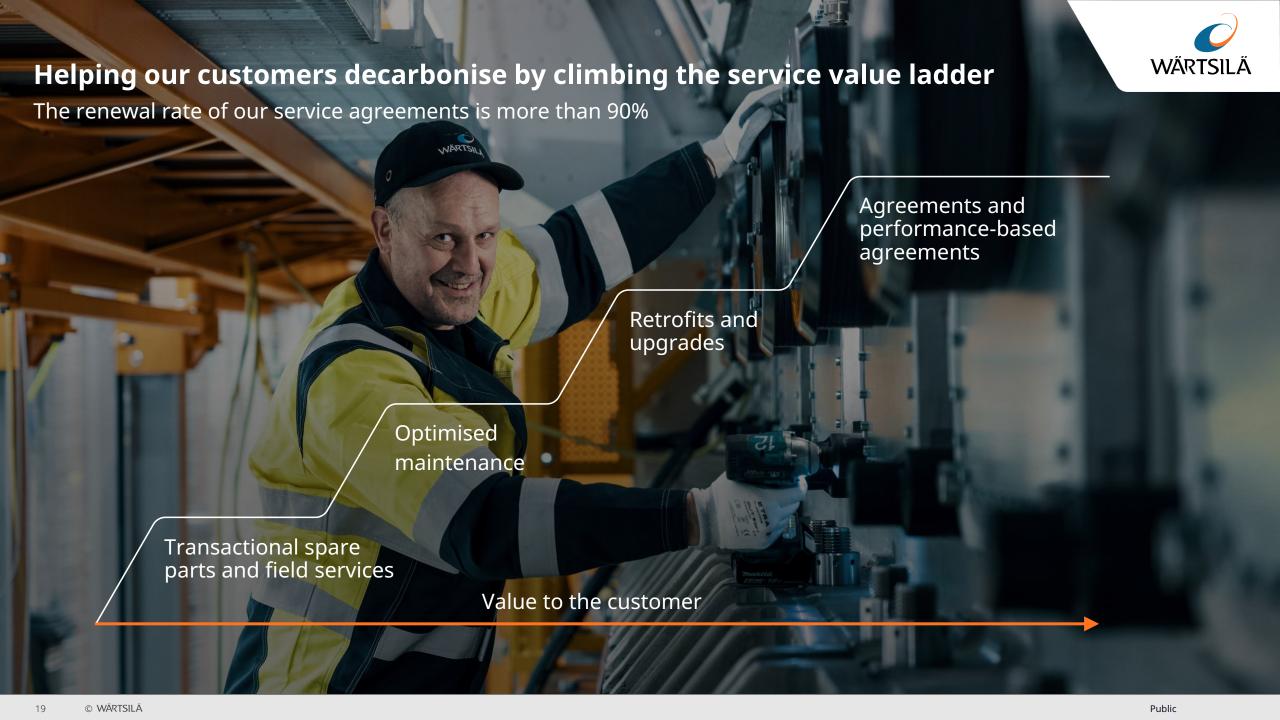
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Wärtsilä Energy: towards a 100% renewable energy future

Our technologies provide reliable power and balancing to support the growth of renewables.







Our strategy

21



THE WARTSILA WAY

Purpose

Enabling sustainable societies through innovation in technology and services

Target position

Shaping the decarbonisation of marine and energy

Strategic priorities

Roadmap to improve performance and reach the target position

Execution plan

What to do – tactics & operations, updates yearly

Values, leadership and continuous improvement

Our beliefs and behaviour

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Innovation and R&D investments as change drivers

296 MEUR R&D investment representing 4.6% of our net sales.

2,500 patents and applications

of which 45% are classified as technologies that reduce or eliminate GHG emissions (since 2013).

Over 500 ideas and inventions in 2024 from our colleagues through the internal innovation programmes.





Figures from 2024

Fuel efficiency and fuel-flexible technology ensure the most future-proof solution

The decarbonised future will involve multiple fuels. Besides traditional fuels, our engines can run on:

Ammonia

Bio-methane

Bio/renewable diesel

E-diesel

E-methane

Hydrogen

LNG

LPG

Methanol/ethanol





Leading the way with our customers

Selected references



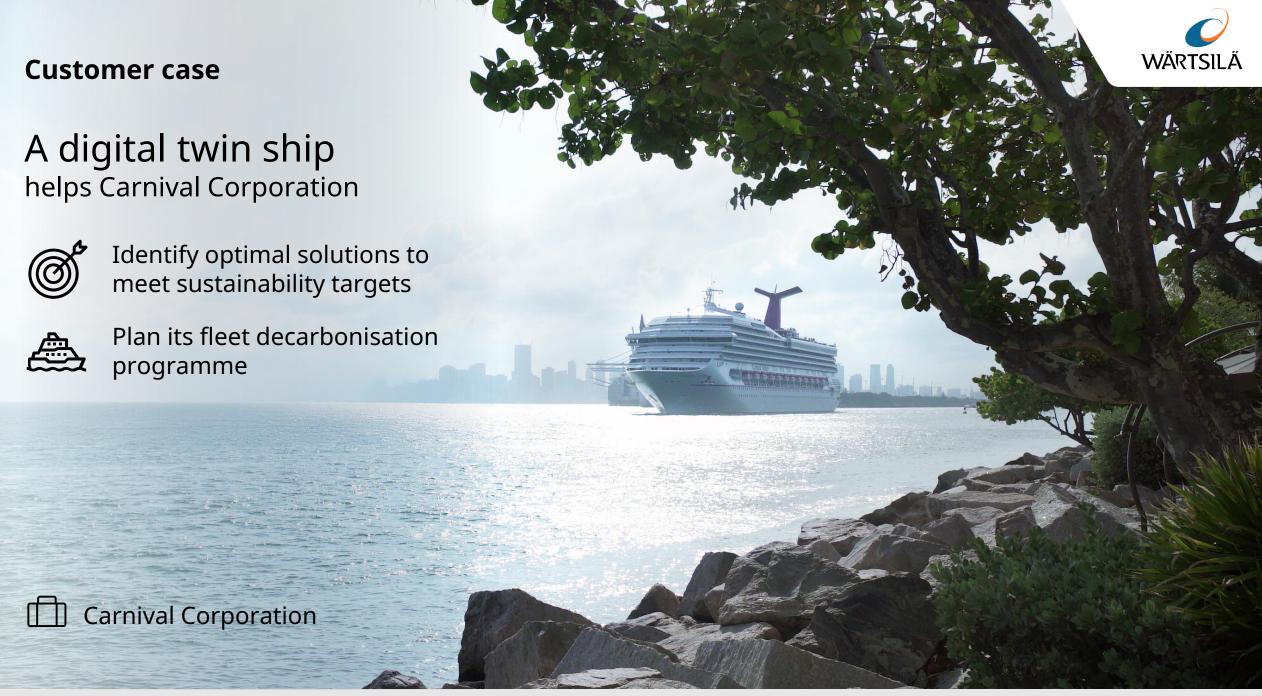






Engine upgrades and hybrid propulsion have delivered double-digit reductions of fuel consumption.

Wasaline





Can operate with zero emissions during manoeuvring operations and when in port

Brittany Ferries

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Critical balancing capability with a new power plant



© WÄRTSILÄ Pub



A renewable-heavy power system optimised with balancing power plant and energy storage

Fast-starting balancing power ensuring reliability Landmark case of 250 MW energy storage system 10-year service agreement AGL Energy Limited, Australia

© WÄRTSILÄ

A long-lasting services partnership since 2013 with our power plant customer in Zambia



The 105 MW power plant is crucial for maintaining a reliable electricity supply in Zambia, especially during the current hydropower shortage caused by drought



The service agreement ensures the plant's reliability and availability











Australia's largest battery energy storage project and one of the largest in the world

We are delivering a total of **700 MW / 2 800 MWh** – enough to power 150 000+ New South Wales households yearly

The Eraring battery will connect to Australia's National Electricity Market, enhancing energy security and reliability in the state as renewable energy supply increases





Financial performance

2024 was a year of all-time highs

Financial highlights 2024

Order intake

8,072 MEUR

Comparable operating result

694 MEUR

Order book at the end of the period

8,366 MEUR

Net sales

6,449 MEUR

Comparable operating result, % of net sales

10.8%

Basic earnings per share

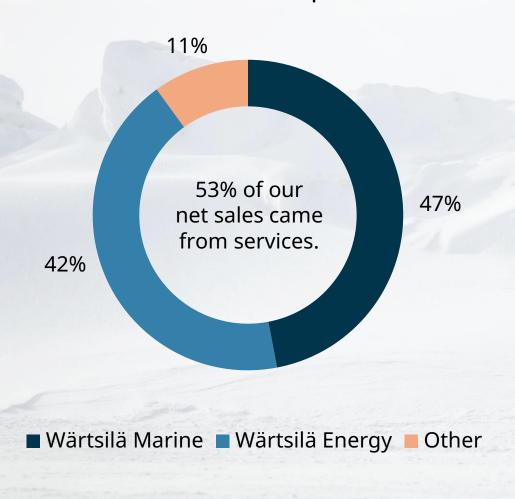
0.85 EUR



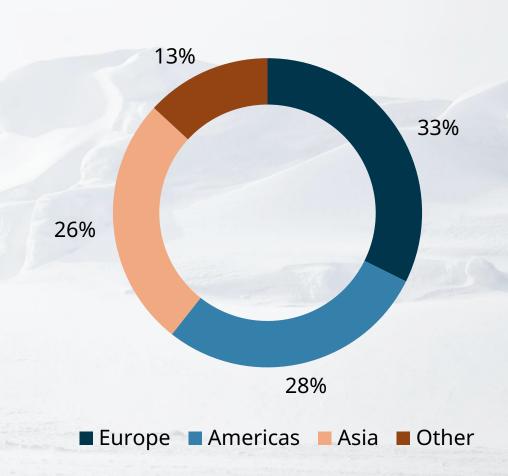




6,449 MEUR net sales, per business



Geographical net sales



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A clear purpose: Enabling sustainable societies through innovation in technology and services.

We are 18,300 dedicated Wärtsilians shaping the decarbonisation of marine and energy.



One in three vessels carries our marine solutions.



In over 180 countries, our energy solutions help power the local communities.







Get to know our story and people on social media



#FuelYourPower











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