

OUR ROLE IN “ENERGY TRANSITION”

Sustainability defines our core business. By converting more polluting, land invasive and inefficient power plants, we help countries to significantly reduce their carbon emissions. Moreover, our energy solutions totally avoid construction, material transportation and employee transportation required for onshore (land-based) power plants, eliminating further high carbon footprint.

Thanks to our plug-and-play floating infrastructures, we do not occupy terrestrial areas, destroy forests or agricultural lands, or displace communities from their habitats. For us, ‘energy transition’ means a better world.

PHASED IMPLEMENTATION

Cutting Edge Technology, Immediate Impact:

Immediate impact on environmental baselines by replacing old and inefficient power plants to phase out via Powership.

Existing Plants’ Natural Gas Conversion:

Conversion of the existing power plants and inland industrial facilities to natural gas via a virtual pipeline, providing cleaner generation and contributing to our project countries’ emission goals.

Aim and Capability of Achieving Net-Zero:

Achieving net-zero emissions by integrating renewable energy sources, hydrogen, and renewable natural gas (RNG) to revolutionize the energy landscape.

LNG Conversion:

Smooth transition by converting our operations to LNG, using our LNG assets to reduce emissions.

Resource Utilization:

Utilizing countries’ own resources through FLNG- modular small to medium-scale natural gas liquefaction units- and virtual pipelines.



HEALTH AND SAFETY

Our corporate culture is underpinned by the motto of “People First”. We are dedicated to safeguarding the health, safety, and well-being of every individual connected to our operations including our employees, visitors, subcontractors, and stakeholders globally.

Karpowership follows an “Integrated Management System”, consisting of ISO 9001:2015 Quality Management System, ISO 14001:2015 Environment Management System, and ISO 45001:2018 Occupational Health and Safety Management System.

Aligned with the Integrated Management System, Karpowership is fully committed to continuous improvement of its operations by adopting Quality, Environment & Social, Health & Safety and Information Security Policies.

UNITED NATION’S SUSTAINABLE DEVELOPMENT GOALS

As a company that has completed dozens of projects across the globe for 3 decades, we have been serving many of the United Nations Sustainable Development Goals.

We have been contributing directly, every day, on 4 different continents to the UNSDG 7, affordable and clean energy.

As an energy transition company we address the climate action goal, UNSDG 13, by replacing old, and inefficient power plants with new, and more efficient ones, replacing fuels with cleaner alternatives.

Furthermore, through our social impact projects, which primarily focus on the education of girls, we directly address UNSDG 5, gender equality. Also, by providing educational scholarships, we have contributed to enabling over 58,000 children to access education, thus touching upon UNSDG 10, reduced inequalities.

As a company operating within marine ecosystems, our relationships with communities, particularly with fishermen, established in all the locations we operate in, and the projects we have been implementing with them, contribute to UNSDG 8, decent work and economic growth, and UNSDG 11, sustainable cities and communities, by enhancing their socio-economic well-being.

We are pleased to contribute directly and indirectly to the United Nations’ outlined sustainability goals, ranging from job opportunities to the no poverty, through the direct and indirect impact we create.



KARPOWERSHIP



Istanbul, Türkiye
Develli St. No:14
Kapitane, Istanbul 34406
+90 212 245 47 37
info@karadenizholding.com

Amsterdam, The Netherlands
Herengracht 491,
1017 BT Amsterdam
+31 20 364 2265
info@karpowership.com

Dubai, United Arab Emirates
Almas Tower JLT 19/A Dubai
PO Box 488013
+971 4 348 8601
info@karpowership.com

Jakarta, Indonesia
GoWork - Panin Tower Senayan City, 15th Floor
Jl. Asia Afrika Lot 19
Jakarta 10220, Indonesia
+62 21 2953 8904
info@karpowership.com

Rio De Janeiro, Brazil
Rua Lauro Muller, Sala 3302, Botafogo
Torre Rio Sul, Rio de Janeiro - RJ
+55 21 3195 0916
info.brazil@karpowership.com

Singapore
8 Marina View, #15-06A,
Asia Square Tower 1, Singapore 018960
info@karpowership.com

www.karpowership.com

www.karadenizholding.com

ENERGY TRANSITION NOW!



KARPOWERSHIP

WE ARE BUILDING THE FUTURE, NOW!



Planning for the future is not enough; we have to act now! That's why, at Karpowership, we have redefined energy transition with a vision of a bright, accessible, and sustainable future.

We reimagined the energy solutions.

We offer cleaner, cost effective, fast-track turnkey energy solutions, and make them readily available to our clients through innovative financial strategies.

We rebuilt power and gas infrastructures.

We address our clients’ energy demands for any size and duration, maximizing the utilization of local resources.

We redesigned the energy transition.

Our clients do not need to make a choice between accessible and sustainable. We give them a headstart in their energy transition path towards net zero.

We reinspired our people for “One Purpose”.

At Karpowership, our commitment goes beyond simply completing tasks; it is about the way we approach our work that truly matters to us. Each of us takes pride in the positive impact we have on the world, our communities, and the future as we carry out our responsibilities. This awareness fuels our passion and dedication to our roles.

LNG AS A TRANSITION FUEL

As the world moves towards a more sustainable energy future, LNG plays a pivotal role in this transition.

One of the main advantages of LNG is its ability to work well with renewable energy sources like wind and solar power. These renewable sources are crucial for reducing carbon emissions but can be unpredictable because energy generation from renewables depend on weather conditions. LNG provides a reliable backup resource, ensuring that energy demands are met even when renewable sources are not producing enough power. This ability makes LNG essential for maintaining a stable and reliable energy grid.

In addition to the environmental benefits and providing a reliable base for renewable energy integration, LNG comes with significantly easier transportation and safe storage advantages. LNG also offers energy security for countries and provides flexibility for use in various fields from power generation to mining and industrial facilities.

POWERSHIP FLEET



WHALE CLASS

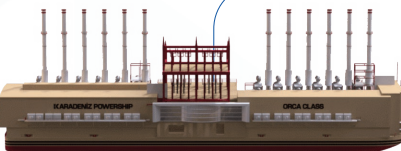
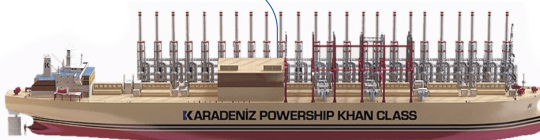
Capacity: 500 - 600 MW
On-board accommodation: 46
Fuel storage: N/A

Number of engines: 3
GAS turbines: 6
Self-propelled

KHAN CLASS

Capacity: 415 - 500 MW
On-board accommodation: 80
Fuel storage: 38,000 MT

Number of engines: 21 - 24
Steam turbines: 2
Self-propelled



ORCA CLASS

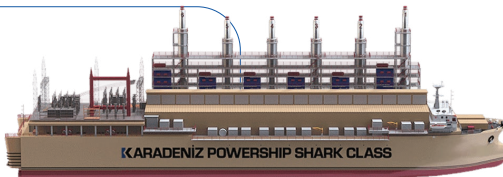
Capacity: 200 - 260 MW
On-board accommodation: 60
Fuel storage: 8,500 MT - 10,700 MT

Number of engines: 11 - 12
Steam turbines: 1

SHARK CLASS

Capacity: 100 - 240 MW
On-board accommodation: 50
Fuel storage: 830 MT - 5,500 MT

Number of engines: 6
Steam turbines: 1
Self-propelled



MERMAID CLASS

Capacity: 60 - 140 MW
On-board accommodation: 20
Fuel storage: 2,800 MT

Number of engines: 4
Steam turbines: 1

SEAL CLASS

Capacity: 30 - 50 MW
On-board accommodation: 20
Fuel storage: 2,045 MT

Number of engines: 2
Steam turbines: -
Self-propelled



KARPOWERSHIP

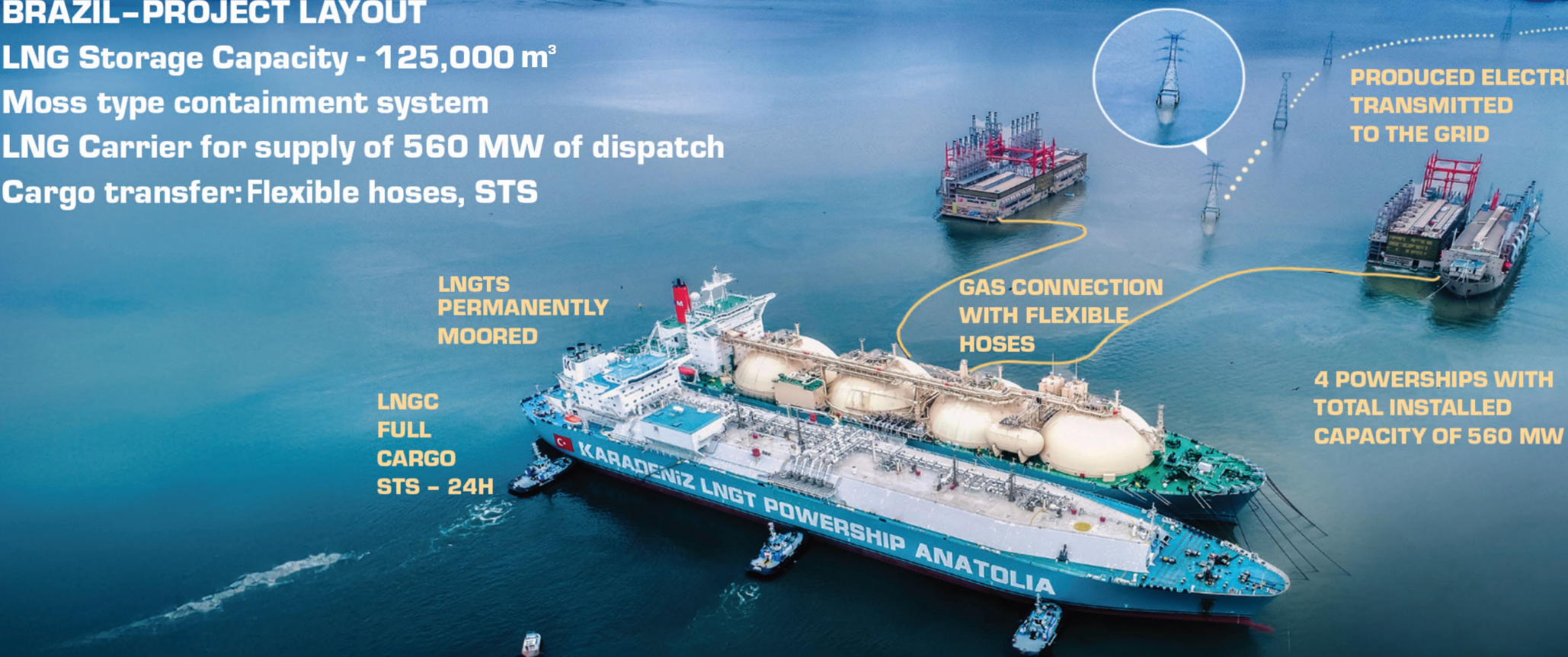
BRAZIL - PROJECT LAYOUT

LNG Storage Capacity - 125,000 m³

Moss type containment system

LNG Carrier for supply of 560 MW of dispatch

Cargo transfer: Flexible hoses, STS



LNG FLEET

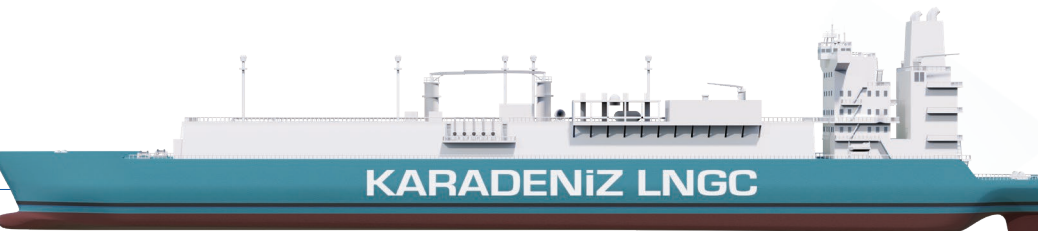
11
LNG Vessels



LNGTS

Regasification capacity: 84 - 750 MMSCFD
Capacity: 127,000 - 148,000 cbm

Send-out pressure: 8 - 80 barg
Containment system: Moss & Membrane



LNGC

Capacity: 64,000 - 127,000 cbm
Boil-off rate: 0.15 - 0.18% /day

Propulsion system: Steam
Containment system: Moss & Membrane



FLNGTS

1,125 MTPA