Climate Transition Action Plan

Summary, Targets and Actions

Energy Starts With Us

OUR APPROACH

Emission Reduction Strategy

The Climate Transition Action Plan (CTAP) targets measurable GHG reductions, focusing on operational efficiency and commercial resilience, with seismic vessels as the primary operational driver.

Balancing Commercial Realities

TGS balances growing global energy demand and customer needs with climate goals through strategic investments backed by data.

Alignment With Net-Zero Framework

Our decarbonization strategy aligns with the IMO's Net-Zero Framework, consistent with the long-term temperature goals of the Paris Agreement*.

Long-Term Climate Commitment

Near-term actions and long-term goals to 2050 work together, balancing climate action with energy security.

*While international shipping is not directly covered by the Paris Agreement, alignment with the IMO's framework represents our sector-specific contribution to global climate objectives. TGS is currently excluded from EU Paris-aligned benchmarks due to its material revenue derived from oil and gas exploration activities.

EMISSION REDUCTION AMBITIONS

- Our focus is on reducing operational emissions through fleet efficiency, fuel transition, and energy sourcing improvements.
- TGS participates in sector discussions to develop standardized intensity metrics for credible, scalable actions.
- Intensity-based targets under development.

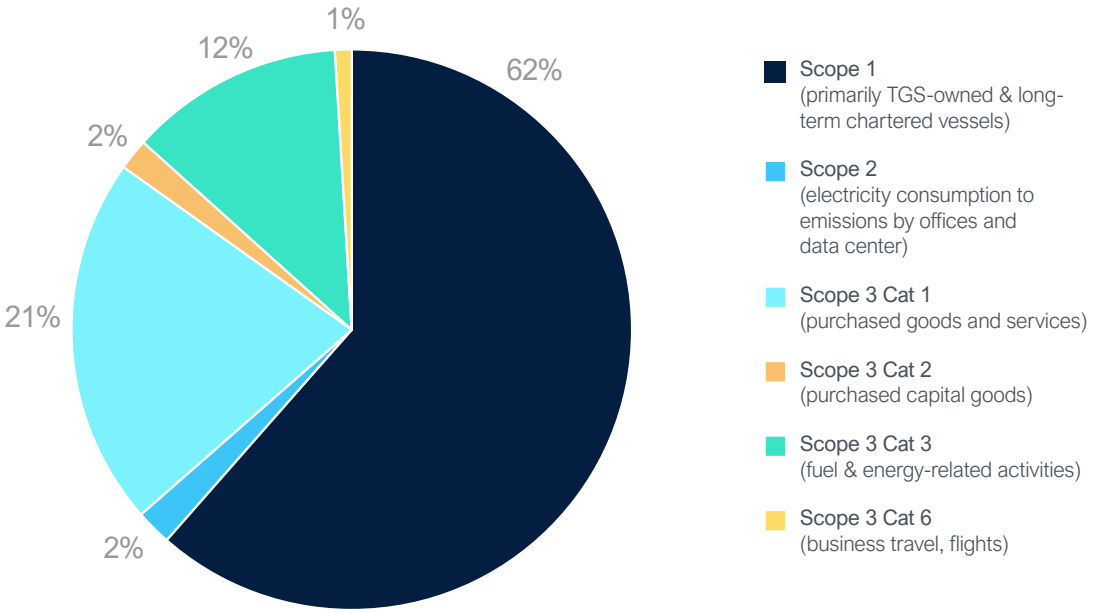
*2019 baseline includes emissions from legacy MagseisFairfield and PGS, which became a part of TGS in 2023 and 2024, respectively.

Our Climate Ambitions

SHORT-TERM 2030	Reduce, in absolute terms, our total GHG emission footprint (Scopes 1-3) by 30% from our 2019 baseline
INTERIM MILESTONES 2030 - 2050	Phased interim targets will be set in alignment with fleet renewal cycles, fuel transition readiness, and evolving IMO regulatory milestones
LONG-TERM 2050	Reduce, in absolute terms, our total GHG emission footprint (Scopes 1-3) by >90% from our 2019 baseline. Remaining emissions will be offset aiming to achieve Net-zero

WHERE OUR EMISSIONS COME FROM

% Total CO2e Emissions: 2024



In 2024, TGS reported on four of the 15 categories for Scope 3. Category 4 (Upstream Transportation & Distribution) was estimated, but established as not a material amount (2024 total 2,278 tCO2e).

Marine Vessel Emissions

83% of TGS' total carbon footprint is tied to emissions from fossil fuel combustion by marine vessels.

- 61% comes from long-term fuel combustion by chartered and TGS-owned vessels (Scope 1)
- 11% comes from 3rd party vessels (Scope 3, Category 1)
- 11% comes from well-to-tank emissions from all vessels (Scope 3, Category 3)

Office and Data Center Emissions

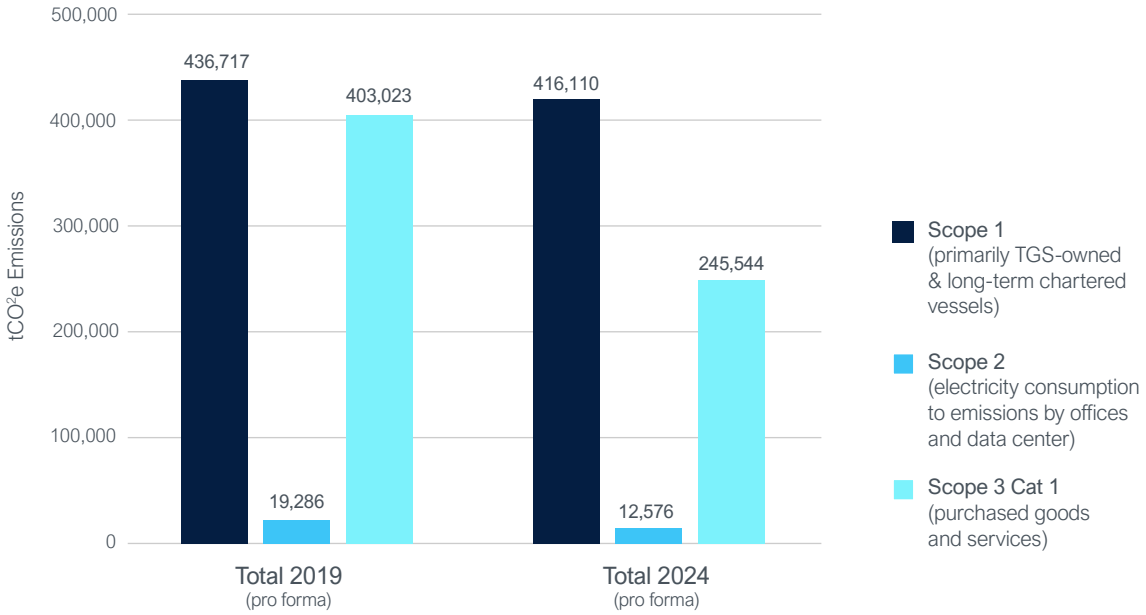
Scope 2 emissions from electricity use at offices and data centers account for approximately 2% of our total carbon inventory.

Other Emissions

- Our Scope 3 footprint accounts for 36% of our total carbon inventory.
- 67% of our Scope 3 footprint is tied to emissions from fossil fuels.

BASELINE AND PROGRESS TO DATE

2019 vs. 2024 CO2e Emissions



Key drivers are TGS-owned & long-term chartered vessels, 3rd party vessel field operations, and Well-to-Tank (WtT) emissions from fueling vessels.

Revised Emissions Baseline

To ensure data accuracy and comparability, TGS recalculated its 2019 emissions baseline to include recently acquired companies that had a material impact on Scope 1 & 3 emissions.

GHG Emission Reduction

Comparing 2019 baseline values with 2024 values, TGS has achieved a 24% reduction in absolute greenhouse gas emissions.

Operational and Market Factors

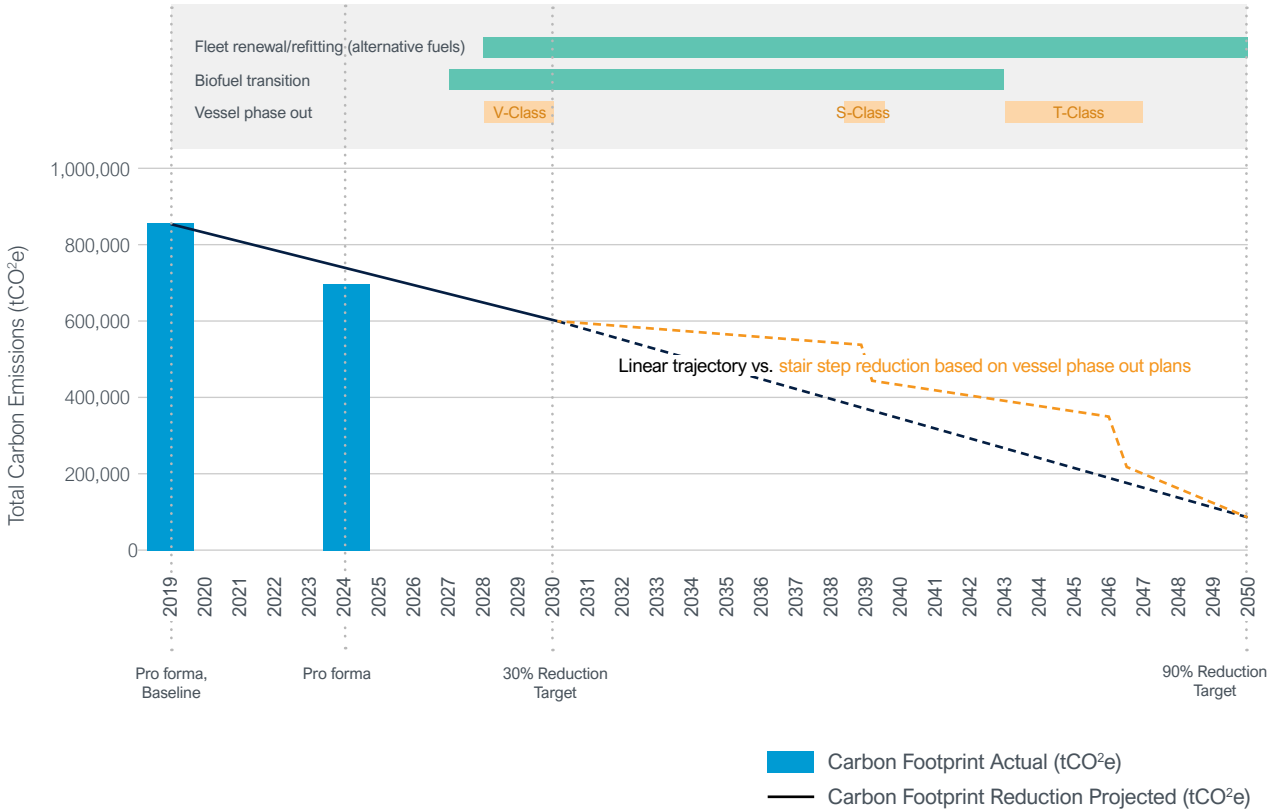
Emission reductions were driven by operational efficiencies, facility consolidation, and changes in seismic activity demand.

Fluctuating Emission Levels

Year-to-year emission levels vary with vessel use and customer demand, highlighting the sensitivity to market cycles.

REDUCTION PATHWAY AND FLEET PERFORMANCE

Projected vs. Actual Total Emission Reductions: 2019 (baseline) vs. 2030 and 2050 targets



Phased Vessel Upgrades

Upgrade vessels progressively with propulsion and drag-reduction technologies to improve efficiency and reduce emissions.

Asset Retirement Strategy

Retire older ships at end-of-life and replace with cleaner, more efficient alternatives.

Fleet improvement depends on technology advancements and industry alignment on propulsion.

Low-Carbon Fuel Adoption

Increase use of lower-carbon fuels to align with maritime decarbonization goals.

Operational Monitoring and Efficiency

Real-time energy management, optimized engine loading, and data-driven tools enable smarter routing and sustained emissions reductions.

KEY REDUCTION LEVERS

Biofuels and Lower-Carbon Energy

Importance of Lower-Carbon Fuels

Transitioning to low-carbon fuels is critical for reducing emissions from vessel operations and to mitigate climate impact.

Challenges and Scaling

Cost, availability, and supply chain maturity pose challenges, but gradual scaling ensures commercial viability and reliability.

Hydrotreated Vegetable Oil (HVO)

HVO biofuel is a viable and tested solution offering significant lifecycle emission reductions for applicable vessels.

In 2024, TGS' T-class Ramform Hyperion vessel successfully tested a 100% biofuel mix, confirming its viability as a reliable fuel source. The test used HVO with WtW emissions of 4.2 gCO^2eq/MJ, compared to VLSFO's (very low sulfur fuel oil) 91.6 gCO^2eq/MJ.

Technology and Propulsion Alignment

Fleet improvement depends on advancements in technology and broader industry alignment on propulsion, reinforcing the need for continued investment and collaboration across the maritime sector.

This represents the primary cost driver of the plan; however, this investment would be covered by any fleet renewal budget allocation.

CTAP GOVERNANCE AND ACCOUNTABILITY

Board Oversight and Approval

The Board of Directors approved the CTAP through a dedicated Safety & Sustainability committee.

Regular Monitoring and Review

Progress is monitored regularly with formal reviews to the CTAP every five years to adapt to changes and improvements.

Cross-Functional Execution

Execution is led by the Executive Team with support from Marine Data Acquisition, Legal & Sustainability, and Finance teams.

Ensuring Accountability and Transparency

Governance structure promotes accountability, transparency, and continuous improvement toward climate goals.