

KSA GHG Reduction Verification Statement

SAMSUNG HEAVY INDUSTRIES Co., Ltd.

✔ Verification Scope

Korean Standards Association(KSA) has conducted verification for Greenhouse gas(GHG) reduction(hereinafter referred to as 'verification') based on supporting data and other documents related to the 'GHG Reduction Project through Low-carbon Ship Design and Construction' requested by Samsung Heavy Industries Co., Ltd.

- Reduction Project name: GHG Reduction Project through Low-carbon Ship Design and Construction
- Applied Methodology: Samsung Life Cycle Carbon Reduction Methodology (C11-05-ver01) Design and construction of ships with low carbon emissions
- Applied Technology: Technology of conversion from conventional ship oil to fuel with low-carbon content and shape resistance reduction, Technology to reduce GHG emissions through propulsion efficiency improvement
- Reduction Period: January 1, 2022 - December 31, 2022
- Evidence data: Performance report for Samsung Heavy Industries' Scope 3 reduction(including evidence data) and other documents

✔ Verification Standards and Guidelines

KSA performed verification based on risk assessment, data analysis, and sampling by applying and referring to the following standards and guidelines.

- Samsung Life Cycle Carbon Reduction Methodology (C11-05-ver01) Design and construction of ships with low carbon emissions
- ISO 14064-2, 3 : 2006
- 2006 IPCC Guidelines for National Greenhouse Gas Inventories

✔ Level of Assurance Verification and Responsibility

KSA provides verification at limited level of assurance. Samsung Heavy Industries Co., Ltd. is responsible for calculating, preparing, and fairly submitting the amount of GHG reduction, and KSA is limited to guaranteeing the amount of GHG reduction.

✔ Verification Limit

KSA performed verification by sampling the related reports, information, and data presented by Samsung Heavy Industries Co., Ltd. which has its own limit. Although the verification team has tried to conduct a faithful evaluation that meets the evaluation criteria, there are potential limits that errors, omissions, and false statements could be found.

✔ Verification Conclusion

The verification team confirmed the appropriateness of business boundaries, baseline scenarios, data and reduction calculations, and confirmed that no significant errors, omissions, or false facts were found.

•Amount of GHG Reduction (Period : 2022/01/01 ~ 2022/12/31)

(Unit : tCO ₂ eq)	
Methodology	Amount of 2022 GHG Reduction
Samsung Life Cycle Carbon Reduction Methodology (C11-05-ver01) Design and construction of ships with low carbon emissions	17,547,016

May 31, 2023



KOREAN STANDARDS ASSOCIATION