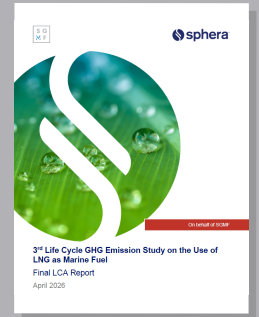




LIFE CYCLE GHG EMISSION STUDY ON THE USE OF LNG AS MARINE FUEL

LCA Report Now Available



- ✓ 3RD LIFE CYCLE GHG EMISSIONS STUDY FOR LNG AS MARINE FUEL
- ✓ ASSESSMENT OF MULTIPLE WELL-TO-TANK AND TANK-TO-WAKE LNG PATHWAYS
- ✓ RESULTS CALCULATED IN ACCORDANCE WITH:
- ✓ ISO 14040/14044:2006 STANDARDS
- ✓ IMO 2024 LCA GUIDELINES
- ✓ REDII/FUELEU MARITIME
- ✓ INDEPENDENTLY CRITICALLY REVIEWED IN ACCORDANCE WITH ISO 14071:2024

LNG* marine fuel GHG reduction benefits:

Well-to-Wake Tank-to-Wake

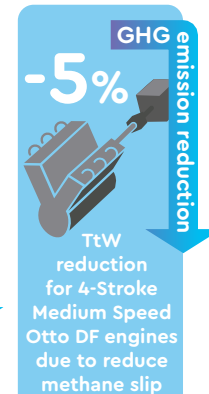
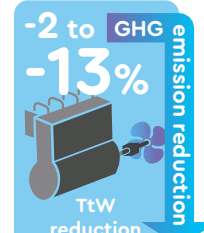


Specific Biogenic Pathways can achieve net-negative WtW emissions

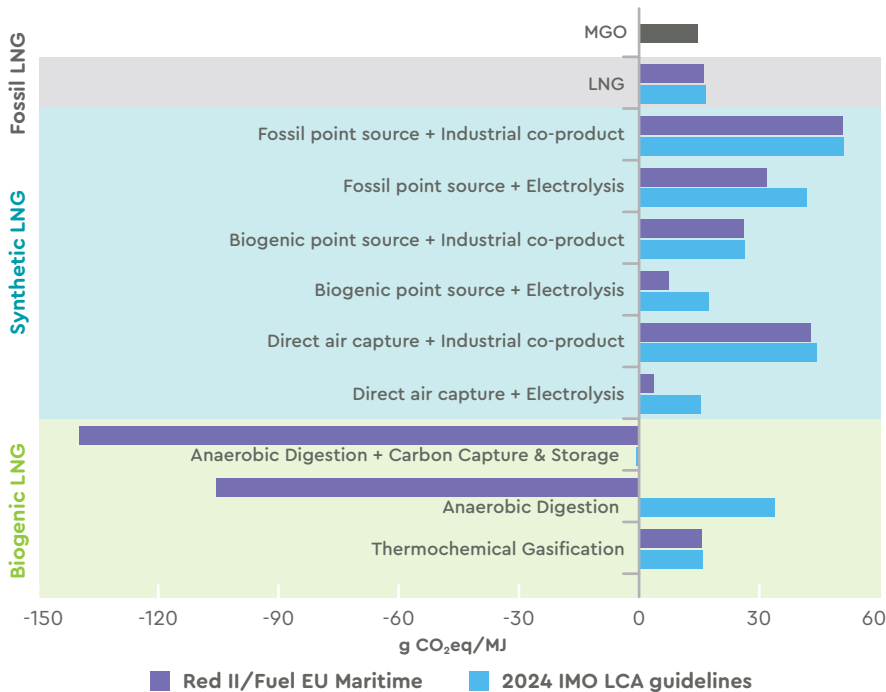
Compared to MGO_{0.1}

*Fossil LNG

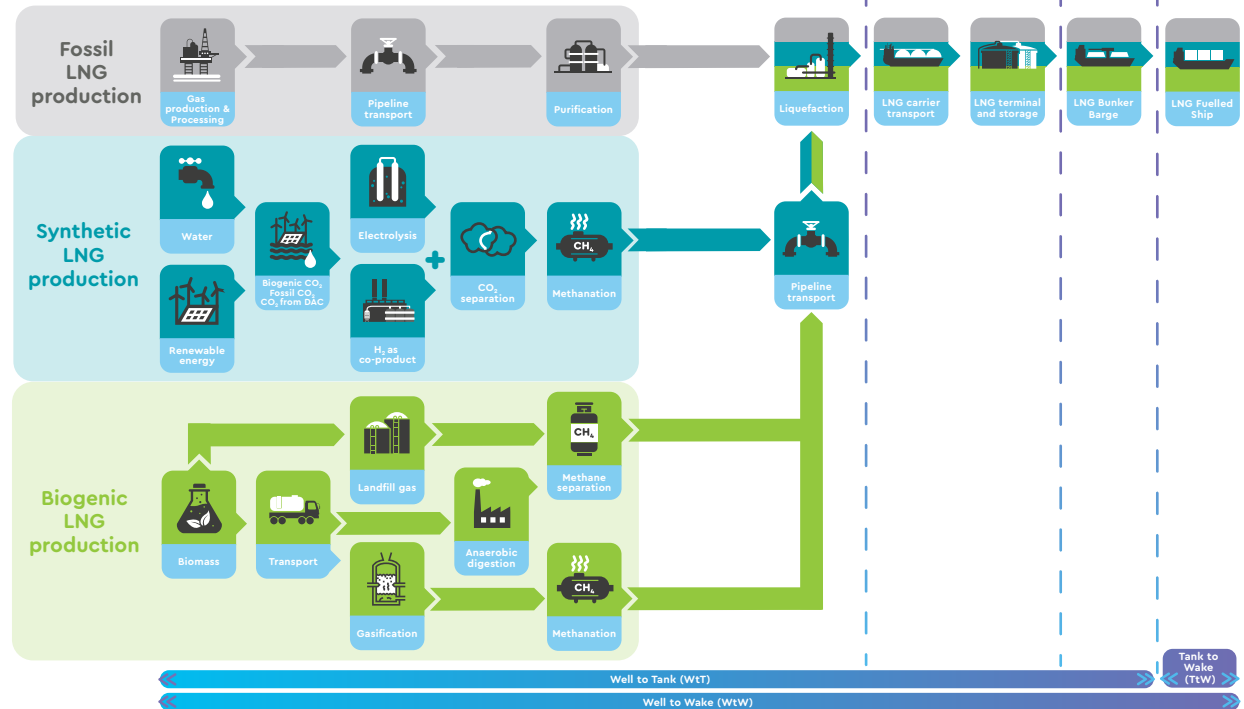
Compared to 2nd LNG LCA study



WtT Life Cycle Emissions of LNG Pathways under 2024 IMO LCA Guidelines and Red II/Fuel EU maritime

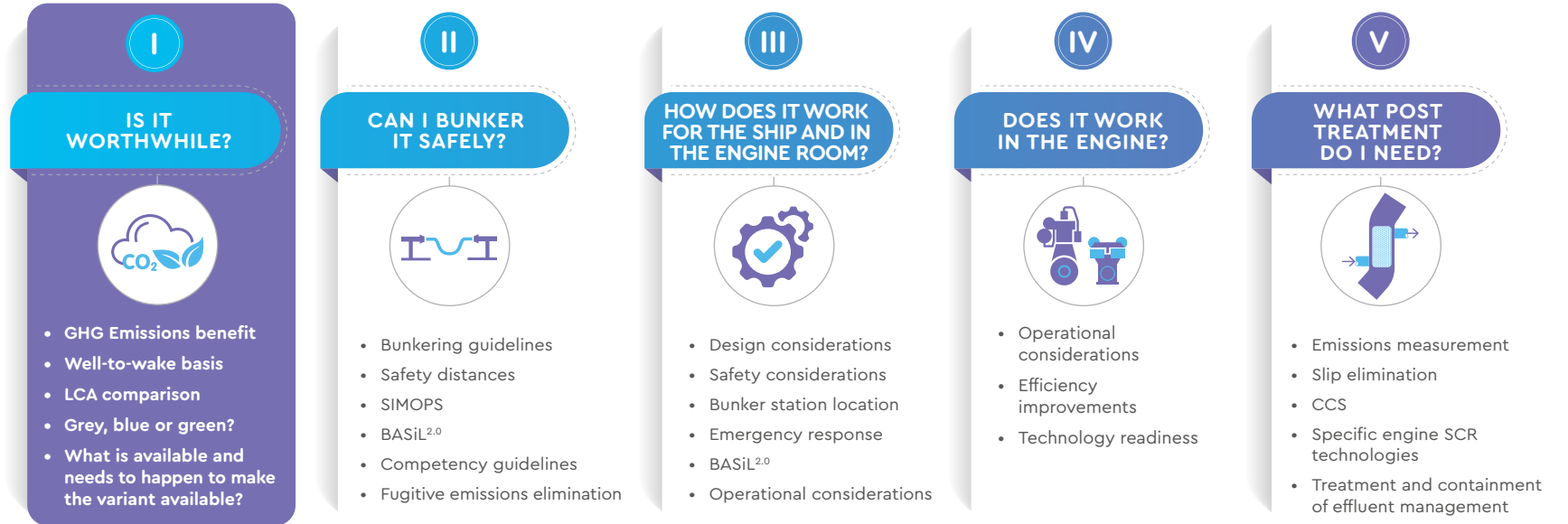


LNG PRODUCTION



CONTEXT – HOW DO WE ASSESS A CONTENDER FUEL?

SGMF 5 PILLARS APPROACH



A HISTORY OF ALTERNATIVE MARINE FUEL ADOPTION AND GUIDELINES

TRACING THE DEVELOPMENT OF LNG, METHANOL AND AMMONIA IN SHIPPING

