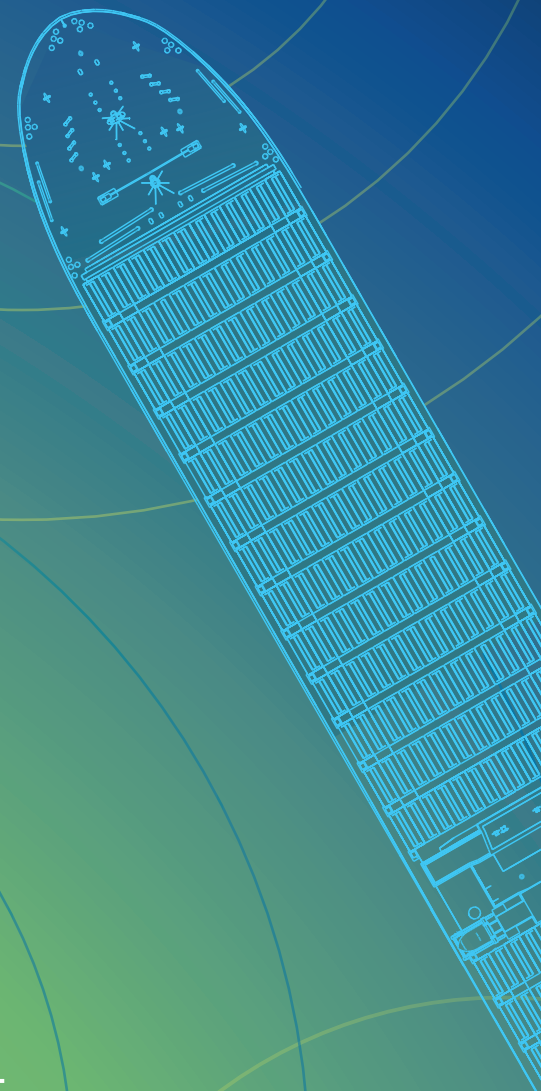


KR Decarbonization Platform



PILOT

POWER

Inquiry

Dept. Technical Business Development Team

TEL +82 70 8799 8270

FAX +82 70 8799 8949

E-mail technology@krs.co.kr

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Introduction of KR Decarbonization Platform

Korean Register (KR) has developed two-digital solutions—PILOT and POWER—to support shipowners in formulating decarbonization strategies aligned with upcoming IMO and EU GHG regulations.

These platforms are designed to assist clients in decision-making, enabling clear and timely decarbonization strategy formulation.

PILOT

Platform for Insightful
Low-emission Transitions

Setting GHG reduction target
Developing customized strategies

POWER

Performance evaluation for Operational characteristics,
Weather & aging Effect and fuel consumption Review

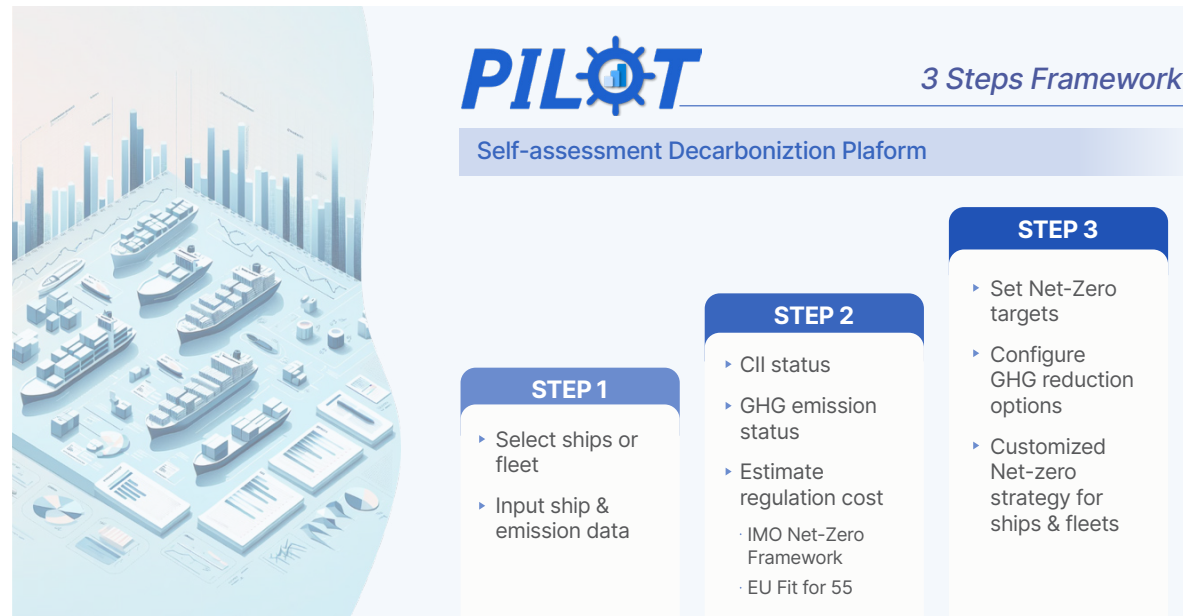
Analyzing operation and
fuel cons.



PILOT Platform for Insightful Low-emission Transitions

Overview

PILOT allows users to design GHG reduction strategies for individual ships or entire fleets through a three-step self-assessment framework:



Key Outcomes

- Scenario-based reports summarizing reduction effects, cost comparisons, and fleet operation plans
- Strategic reference for developing tailored Net-Zero roadmaps

POWER

Performance evaluation for Operational characteristics,
Weather & aging Effect and fuel consumption Review

Overview

POWER provides detailed operational performance analysis based on AIS voyage history and marine environmental data.

- Visual dashboards to monitor voyage status, fuel consumption, and sea conditions across major regions
- Ship-specific operational characteristics analysis (route, speed, draft)
- Environmental data (wind and waves) visualization for ESD effectiveness assessments
- Fuel consumption analysis by voyage, ship, or specific period

POWER

Key Features

AIS Voyage History-based Analysis Platform

- Dashboard
- Operational Characteristics Analysis
- Marine Environmental Data Visualization
- Fuel Consumption Analysis

Performance evaluation for Operational characteristics, Weather & aging Effect and fuel consumption Review



Key Outcomes

- Voyage- and vessel-specific optimization strategies
- Data-driven decision-making for cost reduction and emission management

Unified Access through KR-DAON

With one KR-DAON membership, shipowners can seamlessly explore both PILOT and POWER. This single-sign-on approach saves time, reduces complexity, and provides consistent user experience across KR's digital platforms.

