

Greener Reefers in International Maritime Transport

Objectives

The project aims to demonstrate that environmentally and climate-friendly reefers can be operated, serviced and repaired safely and efficiently in the ports and country. The project will train reefer technicians to reduce leakage rates and ensure optimized energy efficiency and will pilot climate friendly and energy efficient reefer containers. It will provide essential information and strategies to reduce GHG emissions and make the reefer sector environmentally and climate friendly.

Activities

- Relevant ISO safety standards for climate friendly reefer will be adopted nationally.
- Training institutes are equipped with tools and equipment, trainings and manuals are designed and carried out for trainers, technicians at training centre and port level and the increased technical capacities result in a reduction of emissions.
- Relevant studies and strategies will be carried out on a national level and are disseminated (publications and events).
- Country representatives to the Montreal Protocol, IMO, etc. will participate and discuss the project results on an international level.

Impacts

The project's multiplier effects will notably reduce GHG emissions in the reefer sector. Materials (training material, mitigation strategies, monitoring of containers, etc.) will be designed so that they are applicable in different contexts. Project results will be disseminated at international level and will raise awareness on the mitigation potential and technical feasibility of climate-friendly reefer containers amongst political decision-makers and the shipping industry.

Project Details

Main Partner:

Department of Forestry, Fisheries and the Environment (DFFE) - South Africa; Ministry of Environment and Energy (MINAE) - Costa Rica

Implementing Entity/Organisation:

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Country:

Costa Rica, South Africa

Duration:

15.02.2023 - 15.02.2026

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