

IMO - PACIFIC COMMUNITY PROJECT ON ENERGY EFFICIENT TECHNOLOGY

The [IMO's multi-donor GHG-TC Trust Fund](#) funded a pilot project on the retrofitting of a Fijian government ship with Propeller Boss Cap Fins (PBCF), an energy efficient technology

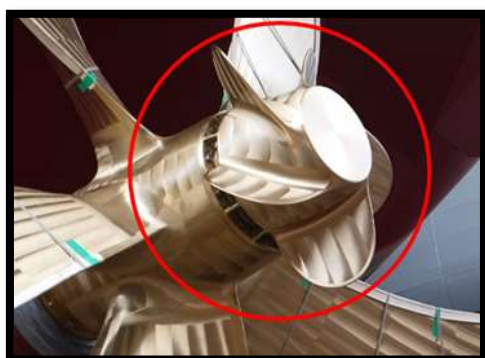
Background

In April 2018, IMO adopted an [Initial Strategy on the reduction of GHG emissions from ships](#) (resolution MEPC.304(72)), setting out a vision which confirms IMO's commitment to reducing GHG emissions from international shipping and to phasing them out as soon as possible. A short-term measure to achieve the objectives of the initial strategy for 2030 was adopted by the IMO in June 2021. It specifically aims to improve the energy efficiency of ships.

In support to the implementation of this measure, the activity, to be implemented by [SPC/MTCC Pacific](#), is to conduct a pilot project with Fiji Government Shipping Services to retrofit a Fijian government ship with new technology systems to increase energy efficiency and reduce carbon emissions.

Implementation

The government of Fiji has agreed that MTCC-Pacific would install on a Fijian government ship a propulsion improvement device known as Propeller Boss Cap Fins (PBCF) that can enhance propeller efficiency, thus resulting in reduced fuel consumption and associated GHG emissions.



Source : MOL (<https://www.mol.co.jp/en/pr/2020/20032.html/>)



Source : PBCF (<https://www.pbcf.jp/>)

Illustrative pictures of Propeller Boss Cap Fins (PBCF)

Expected outcomes of the project

Following this installation, scheduled in spring 2023, a national roundtable discussion with Fiji ship owners association to share the results of the pilot project and the lessons learned from it. The discussion will aim to help with promoting effective flow of information and understanding between ship operators, government institutions and regulatory bodies.

Building on national workshop experiences and newly identified opportunities, the objective is to foster ambition and trust needed to bring the domestic ship operators and relevant authorities into the GHG emission reduction process and lay the groundwork for the development of a National Action Plan (NAP) to address GHG emissions from ships in Fiji and the other States of the Pacific Community, as appropriate in accordance with resolution MEPC.327(75) on [National Action Plans](#).

The MTCC Pacific can also disseminate the national experience and lessons learned in Fiji to other countries in the region.