

Introduction of Smart Mini Grid System at Addu City (Maldives)



- Maldives is dependent on old, inefficient diesel generators, resulting in unstable power supplies and high energy costs. The Maldives government is promoting the "Remote Island Sustainable Energy Development Preparation Project" to **replace the existing power grid with a hybrid system of renewable energy** and diesel.
- Started operation in 2021. This project is **the first case under the JFJCM to enable the bilateral transfer of carbon credits (ITMOs) in accordance with Article 6 of the Paris Agreement.**

Project Summary

- This project supported the introduction of advanced lithium-ion batteries (0.5MWh) and EMS in Addu Atoll.
- Following an international competitive bidding process, Nishizawa Co., Ltd. was awarded the construction contract, and the technology (lithium-ion batteries and EMS) of the subcontractor, Toshiba Energy Systems & Solutions Corporation, was used.



lithium-ion batteries



EMS operation training