

# **Kiribati Solar Containerized Off-Grid Type for Wastewater Treatment Plants**





## Overview

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What is Kiribati water project?

The project also includes awareness programs for the public and stakeholders in addition to technical and financial capacity building of Public Utilities Board and the relevant authorities of the Government of Kiribati, to ensure a sustainable system of high quality water supply to the entire population of South Tarawa at adequate amounts.

Can solar-driven water treatment be used in rural areas?

The technical and economic potential assessment for using solar-driven water treatment sets the course for further research and development projects in the most significant industrial sectors and municipal wastewater treatment, but also for use in rural areas (e.g., Africa) for applications like drinking water production.

How can a wastewater treatment plant be sustainable?

Use of alternative energy sources: To address energy challenges in off-grid areas, incorporating alternative energy sources like solar power or biogas can power wastewater treatment plants, ensuring sustainability.

Which water treatment technologies are available for evaporation of water?

efficient industry. Water treatment technologies are already available on the market for different application targets. For distillation (evaporation of water), technologies include multi-stage flash distillation (MSF), multi-effect distillation (MED), and humidification dehumidification (HDH).



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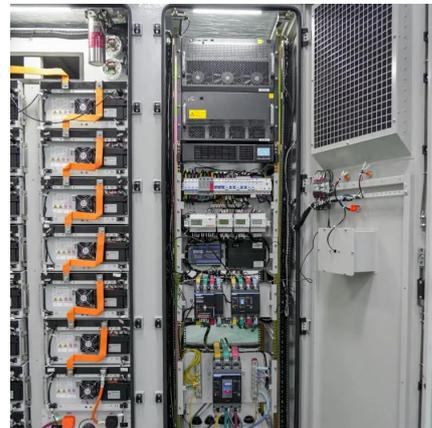


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