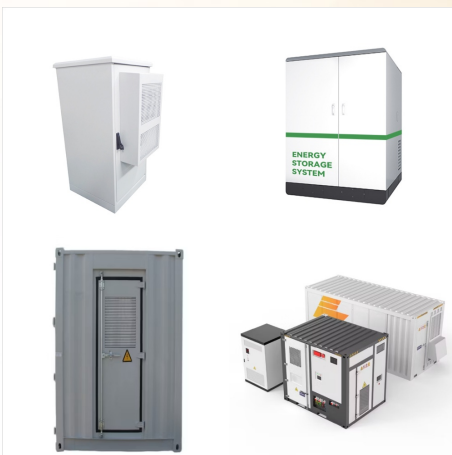




The first Micro-Grid Academy (MGA) course started on 15th January 2018 in Nairobi has so far trained 40 local and international students. Beginning with a pilot trial, the MGA aims to fully launch a series of capacity building activities on decentralized renewable energy solutions to foster energy access in East-Africa, contributing to progress



Dear Applicant, We are glad to launch a new edition of the RES4Africa Academy Technical and Vocational School training, powered by RES4Africa and Enel Foundation and implemented by Strathmore University, in collaboration with AVSI Foundation, St. Kizito VTI, and other local, regional and international partners. The training will take place in Nairobi, Kenya, between 27 ???



Thailand's largest private-owned microgrid announced Democratic Republic of Congo: Investment hotspot for off-grid solar. The 26 island microgrids on the Shaviyani and Noonu Atolls in the north of the Maldives comprise approximately 2.65MW of solar energy capacity and around 3.2MWh of battery storage, with diesel for back-up.



The 26 solar hybrid microgrids are connected with central monitoring and control through a shared SCADA system. The aim of the project, which was undertaken by German microgrid specialist DHYBRID with support ???



On December 7, 2017, China and the Maldives signed an exchange of letters for the China-Aid-Micro-Grid Seawater Desalination Project, according to the Maldives President's Office. Since at least March 2016, the Maldivian government and Jiangsu Fenghai New Energy Seawater Desalination Development Co., Ltd., had been discussing this project.



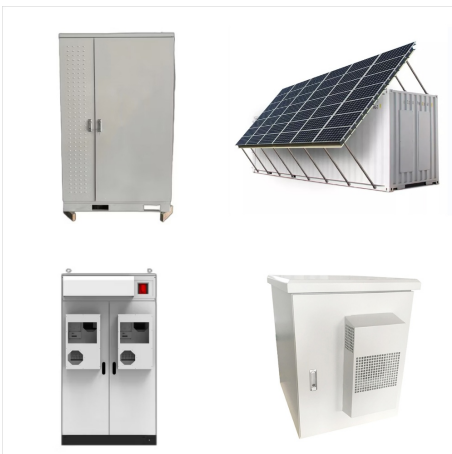
An off-grid microgrid in the Maldives is performing 50 percent better than developer Electro Power Systems (EPS) expected when it commissioned the project at a resort in October 2016. The 4.1 MW microgrid is the second installed by the French technology company in the Indian Ocean islands.



Central monitoring through a shared SCADA system. Microgrid experts at DHYBRID have installed microgrids on a total of 26 islands on the Shaviyani and Noonu Atolls of the Maldives and equipped them with a central monitoring and control system (SCADA).



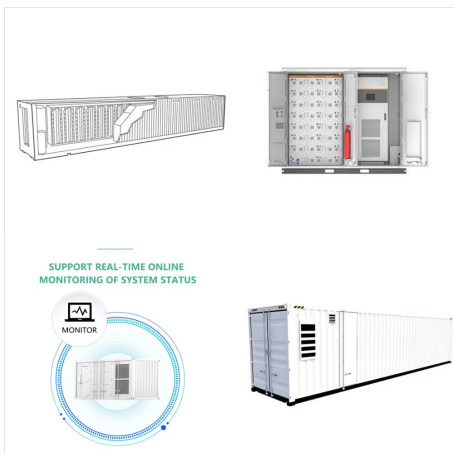
Almost all of the Maldives's current power generation capacity is from diesel generators. The government of the country, which faces a crisis of rising sea levels due to global warming, is promoting the introduction of solar power systems to realize a low carbon society and to reduce the fuel cost for power generation. As one of the promotion



This project also contributes to the renewable energy target of Maldives' energy policy and strategy in align with Goal 7 of the SDG. Related Links. Smart Micro Grid System at Addu Atoll (GEC website) Advanced Battery Technology to Integrate Intermittent Renewables in the Maldives(ADB website)



London, England, United Kingdom - March 15, 2024
 ??? . In a landmark move for sustainable development, The Maldives has officially launched its first micro-grid seawater desalination plants across five islands, marking a significant step forward in the nation's renewable energy journey. Supported by grant aid from the Chinese government, this initiative ???



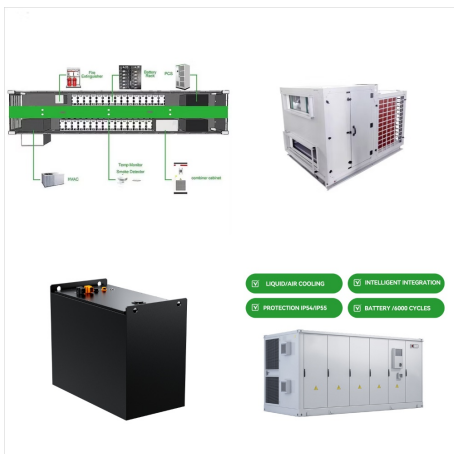
Updated 18 June 2021: Microgrids have been installed across 26 Maldivian islands using 3.23MWh of battery storage systems, with one shared SCADA system. This is alongside 2.86MW of solar capacity and a new 6.72MW diesel ???



<p>In partnership with the RES4Africa Foundation and supported by the Enel Foundation, we are thrilled to bring you an unparalleled training opportunity focused on decentralized renewable energy systems. Dive deep into the world of microgrid technologies with our comprehensive training, covering essential aspects such as design, operation, ???



SINOSOAR will be responsible for the design and construction of the PV-Diesel-Storage microgrid system on 26 islands, the upgrading of existing power stations, and the conversion of the original single diesel power system into the PV ???



This project also contributes to the renewable energy target of Maldives" energy policy and strategy in align with Goal 7 of the SDG. Related Links. Smart Micro Grid System at Addu Atoll (GEC website) Advanced ???



RES4Africa Academy Technical and Vocational School Micro-Grid Academy: Module 1 - Decentralized energy systems (DRE) 10-14 July 2023 Day 1 10/07/2023 Introduction to Renewable Energy (demand and resources, with country focus) - Venue: Strathmore Energy Research Centre Mins Timeslot EAT Lesson Title



On December 18, 2022, Sino Soar Hybrid (Beijing) Technology Co., Ltd. (Abbr. SINOSOAR) won the bid for the general contract project of PV - Diesel - Storage micro grid in 26 islands of Maldives Raa& Baa atoll. This project is the third microgrid project awarded by SINOSOAR in the Maldives region, and by this new project, the total number of project islands of SINOSOAR in ???



2. OBJECTIVES OF THE MICRO-GRID ACADEMY
The Micro-Grid Academy (MGA) was launched in January 2018; in its pilot years of training activities, it aims to train over 200 students per year and it has managed to reach more than 1095 people mainly from the East-African countries as well as Ethiopia, Congo, Mozambique, Zambia, South Africa and others.



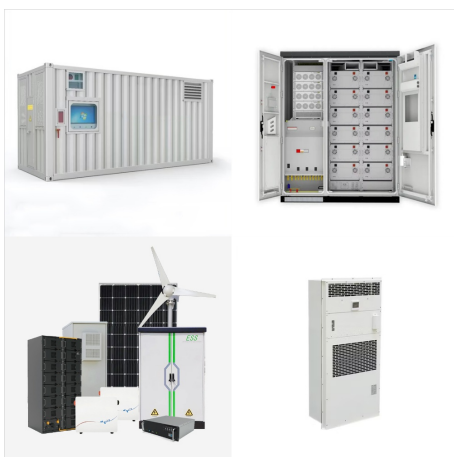
Power Management System for the Microgrid has been installed at Maldives Island. The Microgrid is made by the following elements: ??? 1 MWp photovoltaic plant installed in roofs of the resort; ???



Central monitoring through a shared SCADA system. Microgrid experts at DHYBRID have installed microgrids on a total of 26 islands on the Shaviyani and Noonu Atolls of the Maldives and equipped them with a central monitoring and ???



The resort microgrid was the second in the Maldives EPS hybridized by adding distributed solar PV power generation and BESS capacity. With a collective power generation capacity of 10.4-MW hybridized with 1.8-MWp solar PV, 0.6-MWh of energy storage and 2.4-MW HyESS power conversion, the two are providing reliable, resilient, low-emissions



Power Management System for the Microgrid has been installed at Maldives Island. The Microgrid is made by the following elements: ??? 1 MWp photovoltaic plant installed in roofs of the resort; ??? No.4 diesel generators, total of 2,6 MW; ??? 1,5 MWh energy storage system; ??? 800 kVA Active Front End (AFE) AC/DC converter;



Academy. Events. Contact Share; Search; Our products. The Pixii battery energy storage system is modular, easy to scale and quick to deploy. It comes with smart functionality, allowing you to reduce your energy costs, open new revenue streams, and get the most out of ???



With the Preparing Outer Islands for Sustainable Energy Development Project (POISED), ADB is helping the Maldives transform existing energy grids into a hybrid renewable energy system of solar photovoltaics, energy storage and energy efficient diesel generators with energy management systems (EMS) in 160 outer islands.



Renewable energy-powered micro-grid seawater desalination plants established across five islands in the Maldives with Chinese grant aid have been handed over to the Maldives government. The Chinese grant aid project, at a total cost of MVR 199 million and initiated during Chinese Foreign Minister Wang Yi's visit to Maldives in 2022



A subsidiary of Japanese conglomerate Toshiba has won a contract to install its microgrid controller and energy management system in a 10-MW hybrid microgrid on the Maldives' Hithadhoo Island.

Hithadhoo Island, ???



The first Micro-Grid Academy (MGA) course started on 15th January 2018 in Nairobi has so far trained 40 local and international students. Beginning with a pilot trial, the MGA aims to fully launch a series of capacity building activities on decentralized renewable energy solutions to foster energy access in East-Africa, contributing to progress on UN SDG7.