

CONFERÊNCIA INTERNACIONAL

ENERGIA SUSTENTÁVEL EM SÃO TOMÉ E PRÍNCIPE

20 – 21 Julho 2022

INTERNATIONAL CONFERENCE

SÃO TOMÉ AND PRÍNCIPE SUSTAINABLE ENERGY

20 – 21 July 2022

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São Tomé and Príncipe: Bringing innovation and change to SIDS and LDCs, piloting new knowledge, propelling SIDS and LDCs to energy independence through the development and deployment of ocean energy technologies

*Panel 5 - On-Grid Renewable Energy Projects
20 July 2022*



Christine Neves Duncan
Chief of Staff & Project Director
SIDSDOCK Secretariat
Belmopan, Belize, Central America



Small Island Developing States (SIDS) DOCK – Sustainable Energy & Climate Resilience Organisation

- **SIDS DOCK Mission** is to catalyze the transformation of the energy sector of SIDS to increase energy security, reduce greenhouse gas emissions (GHG), and generate resources for investment in adaptation to climate change.

- **SIDS DOCK has four (4) principal functions:**
 1. Assist SIDS Transition to a Sustainable Energy Sector, by Increasing Energy Efficiency and Development of Renewable Energy;
 2. Providing a Vehicle for Mobilizing Financial and Technical Resources to Catalyze Clean Economic Growth;
 3. Provide SIDS with a Mechanism for Connecting With The Global Carbon Market And Taking Advantage Of The Resource Transfer Possibilities That Will Be Afforded, And;
 4. A Mechanism To Help SIDS Generate The Financial Resources To Invest In Climate Change Adaptation and Resilience Building.

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SIDS OCEAN PROGRAMME: *SIDS DOCK Heads Of State & Government Ocean Thermal Energy Conversion (OTEC) Initiative 2023: “Bring Dominique Home”*

Project Partners: Government of São Tomé and Príncipe, UK-based Global OTEC, SIDS DOCK, the United Nations Industrial Development Organization (UNIDO) and the Global Network of Regional Sustainable Energy Centers (GN-SEC) and supported by the Global Environment Facility (GEF) and Green Climate Fund (GCF) funded UNIDO projects

Project Description: Development and Deployment of a Floating OTEC Platform to provide São Tomé island with 1.5 MW of baseload power by 2024.

Samoa Pathway & Partnerships: Lesson in Project Development & the Catalyst that Drives Progress: For the Third Conference on SIDS, leaders aimed to have Partnerships as the cornerstone for development - and the ways in which these partnerships are addressing SIDS priorities of climate resilience, energy security, economic development and sustainable livelihoods.

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Partnership for Development and Execution of a Power Purchase Agreement (PPA) For Baseload Sustainable Power from Global OTEC's Floating Ocean Thermal Energy Conversion (OTEC) Platform

September 2020: Government of São Tomé and Príncipe submits Letter of Expression (“LOI”) to SIDS DOCK Secretariat indicating its interest in pursuing the deployment of a small-scale OTEC Offshore Platform Barge, called “Dominique,” with a 1.5MW System providing baseload power for the island of São Tomé

March 2021: Government of São Tomé and Príncipe approves and agreed to the signing of a MoU between SIDS DOCK and Global OTEC, to establish a framework for close cooperation between the Parties with a view to develop and deploy Floating Ocean Thermal Energy Conversion (OTEC) Technology Concept based on Global OTEC Resources solutions, in a sustainable, effective and efficient manner in SIDS and LDCs

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Partnership for Development and Execution of a Power Purchase Agreement (PPA) For Baseload Sustainable Power from Global OTEC's Floating Ocean Thermal Energy Conversion (OTEC) Platform

September 2021: UNIDO approved grant funding to SIDS DOCK to support studies through an ongoing GEF funded project in São Tomé and Príncipe and the GN-SEC.

April 2022: Consultations with the Government and People of São Tomé and Príncipe National Consultations and Dialogue on Ocean Energy: “The People’s Sustainable Energy Vision For São Tomé and Príncipe”

June 2022: Government of São Tomé and Príncipe, UK-based Global OTEC, SIDS DOCK, signed a MoU during a SIDS DOCK Side Event in Lisbon, Portugal, on the margins of the 2022 UN Ocean Conference. MOU is to provide a framework for the exclusive cooperation for the development and execution of a Power Purchase Agreement (PPA) between GLOTEC and EMAE, for baseload sustainable power from GLOTEC's Floating Ocean Thermal Energy Conversion (OTEC) Platform, and to facilitate and strengthen collaboration between the Parties in the areas of cooperation

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