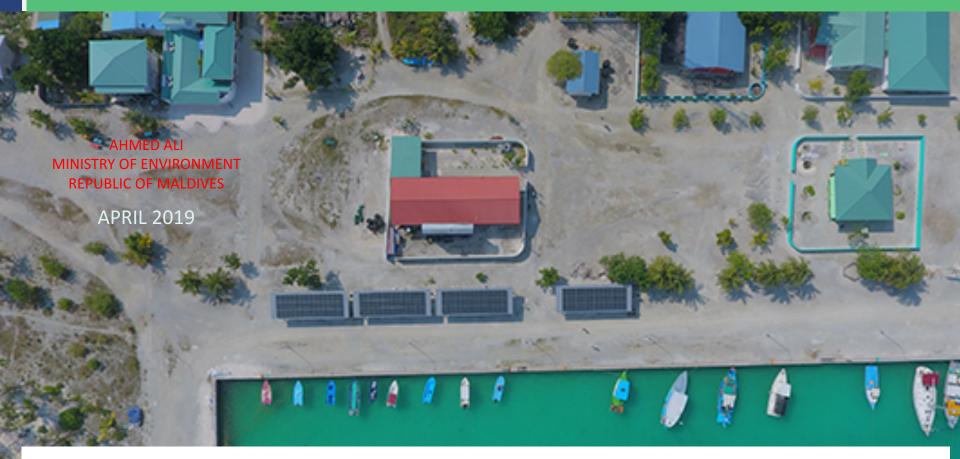
Dhiffushi Solar Ice Project

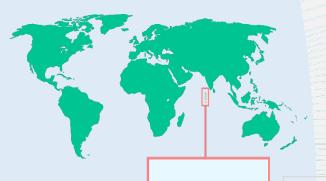




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COUNTRY OVERVIEW





1192 Tropical Islands

187 Inhabited + 1005 Uninhabited

135 Tourist Resorts 2018

Population of 344,023 2014 census

GDP per capita 8980 US\$ 2017

Area: 115,300 sq. km (including sea)

Total land area: ~ 300 sq. km

80 % is less than 1 meter above sea level











ENERGY SECTOR OVERVIEW





Industrial 20 MW



Resorts 135 MW



Inhabited 240 MW



Renewable 11 MW

Total Installed Capacity: 400 MW

OVERVIEW OF THE PROJECT



Project Partners:



Ministry of Environment



Island powerhouse is operator





Main funding for implementation Technical and overall coordination Human Capacity Building



Funding for Human Capacity Building Funding for future replicable project

OVERVIEW OF THE PROJECT

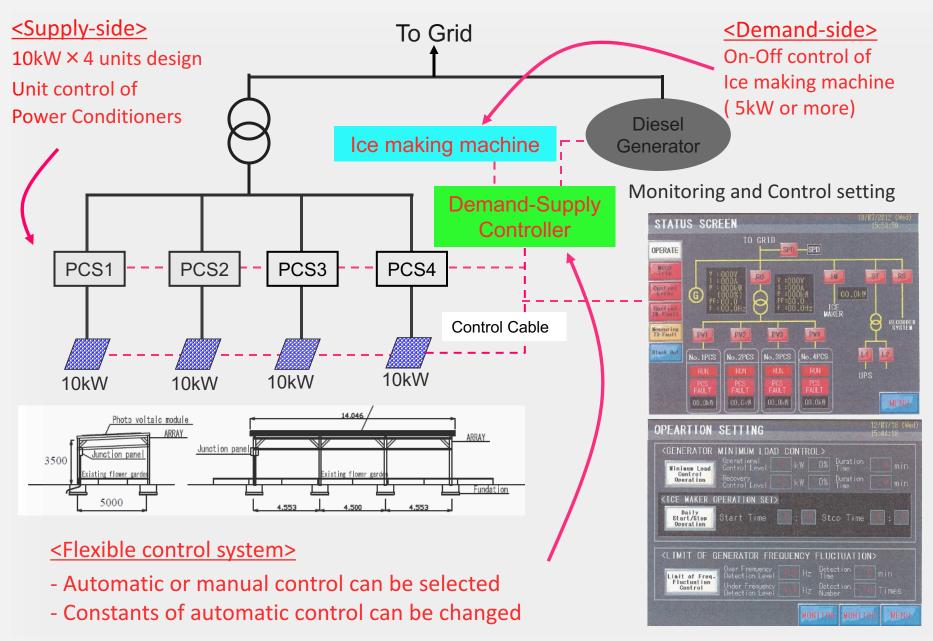




- K.Dhiffushi Island (1000m x 300m)
 Small island 35km from capital Male'
- Population: 1024
- Electricity demand: 50-120kW
- Electricity Provider: STELCO
- Economic Activity: Tourism and Fishing

SYSTEM OVERVIEW





GOVERNANCE AND OPERATION









- System is operated and maintained by the island council
- Utility provide part of energy generated from Solar
 PV free of charge to operate Ice Plant
- Council sells ice to the fisherman
 - Council earns USD 1500/- per month
- This earning is used for community development activities and operation and maintenance of Ice Plant.
- Still there is a demand for expanding the Ice Plant.



THANK YOU

APRIL 2019

MINISTRY OF ENVIRONMENT REPUBLIC OF MALDIVES