



Photovoltaic microgrid Haiti

Tiburon is now one of a small handful of communities in Haiti with reliable 24-hour electricity. And EarthSpark now has plans to dramatically scale up its microgrids in Haiti to 24 smart, solar-powered grids in the next four years, to be financed in part by a \$9.9 million commitment from the Green Climate Fund.

The Georgia Institute of Technology IEEE PES chapter established a project to design and implement a solar microgrid, to supply power to a recently established health center in the mountains of Thoman, Haiti.

EarthSpark builds clean, just energy systems and businesses that empower communities in Haiti and around the world. Since 2008, EarthSpark has pioneered smart, solar microgrids, piloted innovative electric cooking, and launched a microgrid development company with a local-national-international blended finance approach now backed by the Green ...

In 2019, EarthSpark launched its second solar microgrid in Tiburon, a small fishing town in Haiti's southern peninsula. The system was the first to receive regulatory approval from Haiti's newly launched energy regulator. The grid ...

The Project aims to develop 22 community-scale solar plus battery storage micro-grids in southern Haiti in communities where currently no grid power exists. The Project will provide affordable and reliable 24/7 access to modern energy services in communities previously identified through extensive market scoping in this region of the country.

"This microgrid has an operational capacity of 160kW and will provide power to the approximately 20,000 residents of Tiburon. "Building up a microgrid to supply the commune with electricity is vital for the region and will lead to a continuous growth." says the CEO of DigitalKap, Patrick Eugene.

OPEC FUND provided grant to EarthSpark International to develop and launch a town-sized, solar-powered smart grid in Tiburon, Haiti, with a view to validate a business model and investment plan for the construction of another 40 town-sized solar powered smart micro-grids across the country.

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The project will scale-up EarthSpark's solar-powered smart microgrid model to bring electricity to dozens more towns in rural Haiti. The board approval is the result of over 3 years of EarthSpark's work towards this funding.



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