

ARuba Reverse Osmosis Wind

Publieke samenvatting / Public summary

Aanleiding

Aruba does not possess any natural fresh water resources and produces all of its fresh water through Reverse Osmosis of sea water. Aruba has initiated a Clean Energy Strategy to increase the island's use of renewable energy and decrease its dependency on (imported) fossil fuels.

Doelstelling

Contribution to the sustainable development of Aruba, by introducing and investigating an integrated setup for the production of both drinking water and electricity.

Korte omschrijving

DOT BV aims to contribute to the sustainable development of Aruba, by introducing and investigating an integrated setup for the production of both drinking water and electricity. The setup is based on a direct extraction of sea water which is pressurized by one or multiple on- or offshore wind turbines and directly inserted into a RO facility in combination with the already identified storage possibilities at the Butucu mountain.

Resultaat

A contribution to the sustainable development of Aruba and the Kingdom of the Netherlands. On local level, DOT integrates the drinking water and electricity production of WEB Aruba to a sustainable extend, independent of finite resources. The individual contribution of CO2 emission of the residents of Aruba will therefore be significantly reduced.

Projectinformatie / Project information

Projectnummer / Project number
TESI117012

Subsidiebedrag / Grant amount
€ 40.000,00

Algemene informatie / General information

Penvoerder / Secretariat
Delft Offshore Turbine B.V.

Publicaties en materialen / Publications and attachments

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Eindrapport TESI117012

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