

Social and Environmental Impact Report Hydrostor system at wind farm Vader Piet

Aruba, 2013

Client info:



Name: Hydrostor

Sector: Power

Location: Aruba

Hydrostor Inc. has developed an energy storage solution that addresses intermittent renewable generation (solar & wind), load balancing, reserve capacity, and peak-shaving.



Rationale: The Hydrostor system stores energy as compressed air in a series of accumulators located on the sea floor at a depth of about 250 - 300 meters depth, approximately 2 km from shore. An Environmental and Social Assessment was requested by the power company.

Approach: Assessment conducted with reference to International Finance Corporation (IFC) *Equator Principles*. Assessment included consultation with NGO's and Governmental Departments, conducting baseline study onshore and offshore, assessment of social and environmental impacts and drafting of mitigating measures.