WEATHER FIELD
LAND (AND AIR) ART GENERATOR INITIATIVE

WeatherField is a shape-shifting energy generation park along a strip of sandy beach in Abu Dhabi between Yas and Saadiyat Islands. The park is an open public space and is capable of harnessing the abundant renewable energy resources within the Middle East context. The public park offers a variety of ways to engage with climate and renewable energy, as an economic sponsor, as a visual or physical experience, and as information.

Unlike current renewable energy fields where technologies are publicly inaccessible, static, and always on, WeatherField offers a range of public engagement dependent upon winds, sun, and moisture. Energy generation becomes a public performance, dynamic, interactive, and interactive. The park is active when weather events are active, and calm when weather is calm, in each instance offering the public a compatible experience.

AIR-BORNE GENERATORS

AIR-BORNE ART

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AIR-BORNE GENERATORS

AIR-BORNE ART
interaction, clustering, events.

60 m para-kite grid linked to electrical grid

aligned clusters. Unidirectional strong wind. Projections at night

Post Shamal fog. Temporary installation with seed bombing.

Shamal winds. Storm position.
**PARA-KITE: EXPERIENCE & EVENTS**

**PUBLIC EXPERIENCE**

**The Entrepreneur**
From a residential home, a sponsoring resident may have free electricity and a free view of the Gulf.

**The Tourist**
On the park's site, a visitor may have the view using an embedded ‘periscope’ in each post.

**The Adventurer**
An adventurous visitor may be harnessed to a para-kite to witness the view first-hand.

**WEATHER EVENTS**

**Fog-catcher**
The para-kite orientation harvests water from fog, creating a microclimate under the canopy.

**Breeze-glider**
The para-kite generates electricity while it grazes the sky.

**Shamal-rider**
Windspeeds of 20 m/s (shamal gusts) yield maximum energy generation.

**PARA-KITE ENERGY GENERATOR**

- A. parafoil air chambers (back)
- B. parafoil air chambers (front)
- C. ‘periscope’ view screen
- D. line winder system
- E. parachute nose
- F. windbelt frame
- G. carbon fiber post
- H. gasket
- I. line winder system
- J. suspension lines
- K. riser straps

**WEATHER EVENTS**

**PUBLIC EXPERIENCE**

**WEATHER EVENTS**

**SHAMAL SANDSTORM**

**SHAMAL FOG**
The Weatherfields Regional Network is a catalyst for a regional energy plan in the Middle East. The WeatherField at Yas Island is the initial phase development to spawn a large-scale reconsideration of energy in the Gulf region. With such an abundance of wind, there is considerable potential for the Gulf to be the largest renewable energy field in the world and a model for future regional planning.

Just as oil and gas operations have sought out invisible subterranean (geological) conditions for the harvest of dirty energy, the Weather Fields will seek out meteorological conditions for the harvest of clean energy. To radically transform an oil-dependent energy state to a weather-dependent energy state, WeatherFields co-opt existing oil/gas field sites.

The regional plan proposes the decommissioning of a 20th century industrial energy fields across the Persian Gulf and its transformation into a network of 21st century public energy art parks.