

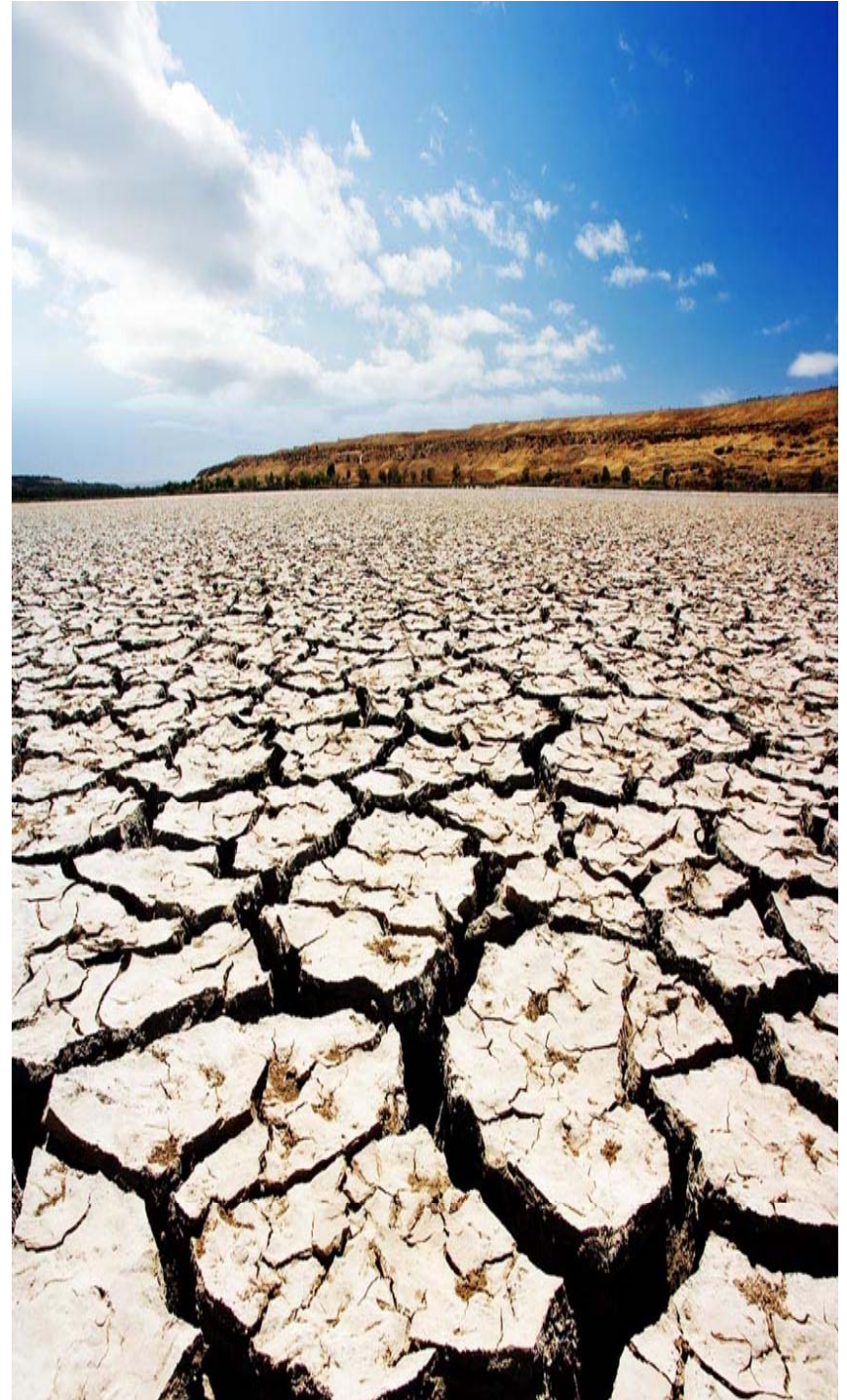


Water is the nexus linking a web of food, energy, economic growth, and fresh water and energy security. Picture the future becoming distributed.



Hawai'ian Islands Sustainability

- Serious sustainability issues.
 - Massive dependence on imported diesel fuel.
 - 2-3x mainland price for power
 - Dependence on vast range of fresh produce imports.
 - More than 98% of drinking water from groundwater sources, powered unsustainable.
 - Impacts on jobs and communities.



Windesal Solution

Continuous Fresh Water and Green Energy



Typical Plant Layout





Proven Technology

- Windesal owned subsidiary Danvest has proven technology.
- The technology makes Windesal the world leader in combined Wind-Diesel power and desalination plants.
- Siemens partnership:
 - All major sub-systems are delivered to Hawai'i.
 - Siemens co-ordinates the integration of the sub-systems
 - Siemens offers performance guarantees

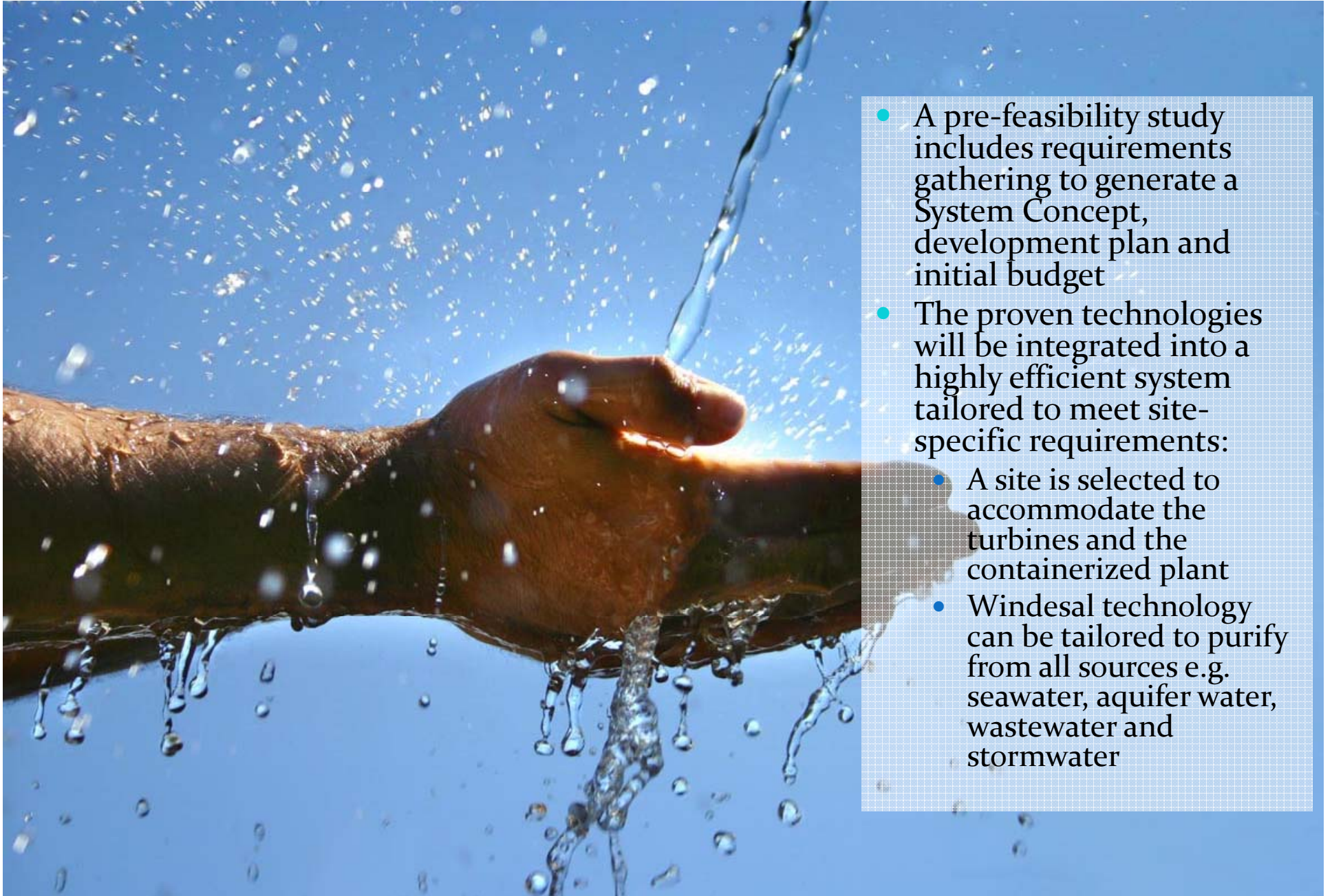


Actions

- Adapt existing diesel systems to integrate renewables
- Distributed renewable to diesel cost by 75-80% over 3-5 years.
- Augment water supplies over 3-5 years
- Retain \$1B agriculture within economy
- Jobs, revenue, sustainability



Tailored to Local Requirements



- A pre-feasibility study includes requirements gathering to generate a System Concept, development plan and initial budget
- The proven technologies will be integrated into a highly efficient system tailored to meet site-specific requirements:
 - A site is selected to accommodate the turbines and the containerized plant
 - Windesal technology can be tailored to purify from all sources e.g. seawater, aquifer water, wastewater and stormwater



Hawai‘ian Sites

- 50+ potential sites identified in State of Hawai‘i
 - Initial sales campaign to target 3-5 sites
 - Siemens partnership enables rapid deployment
- Installations are to be flexible for resource poor communities
 - Power by renewable energy
 - New water sources
- Scalability of the facilities allows capacity to be expanded in increments

Green Technology

- The Hawaiian communities get localized, green technology desal plants, creating a powerful symbol of a green future
- This approach is consistent with the plan of the Governor and island Mayors for renewable energy and sustainable water supplies
- Remote monitoring enables maximal efficiency of water production by switching between wind and bio-diesel generator power based on the available energy and the demand for water



Opportunities for Local Employment

- Through technology transfer our plans will lead to long-term, sustainable employment, business and economic opportunities
- Major sub-systems are to be sourced from Hawai‘ian based manufacturers and suppliers
 - In-state assembly of purchased components or their local manufacture by local specialists
 - Development of control sub-systems will remain in-house, employing hardware and software specialists to tailor the systems to the specifications of each individual site
- The Hawaiian islands can be placed at the forefront of the clean technology industry



Benefits to Hawai'i

- Localized supply of “green” power
 - Green technology
 - Minimized infrastructure costs associated with service corridors
- Continuous supply of potable water
 - Localized water security
 - Tailored solution to local requirements
- Scalability as local communities and business grow
 - Opportunities for local employment
 - Enabling economic growth



Driving sustainability



- Respecting the culture, character, beauty and history of Hawai'i communities
- Striking a balance among economic, social and community, and environmental priorities
- Meeting the needs of the present without compromising the ability of future generations to meet their own needs



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