



**A Thermal Energy Agriculture (TEA)
&
Atmospheric Freshwater Production
Company**



DewPoint Systems LLC Mission:

DewPoint Systems is the World's 1st supplier of Thermal Energy Agriculture (TEA) and Atmospheric Freshwater Production Systems, providing food and water security options for communities in need and diversifying local economies by creating sustainable employment opportunities.



Agriculture and Water Technologies



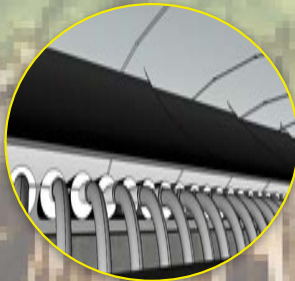
ColdAG™



SuperSpringAG™



DewPonics®



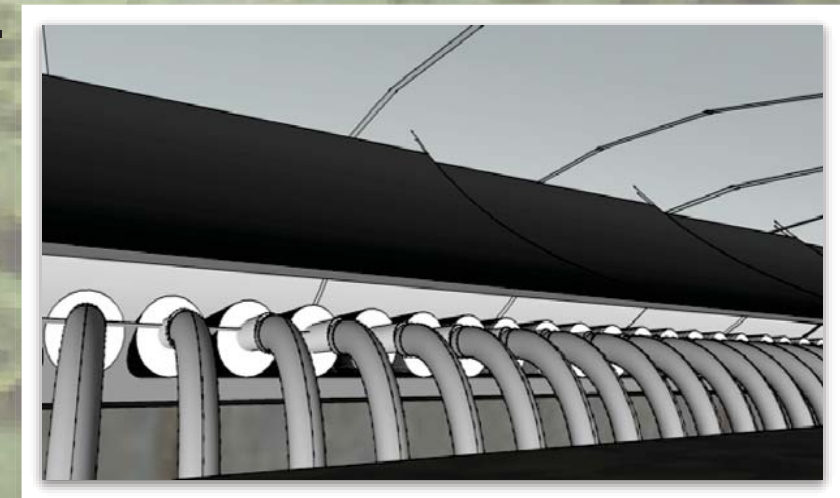
RainDome™



Patented & IP Technologies:

ColdAg™, SuperSpringAg™, and DewPonics® creates controlled cool soil environments that mimic temperature differentials commonly associated during the spring season in temperate regions when plants exhibit rapid growth and flowering.

RainDome™ is a patented modular scalable water generation device that uses renewable clean thermal energy to produce irrigation and potable water from atmospheric moisture.





IP Technology Development Stage:

ColdAG™.....U.S. Patented technology.
Stage.....*Beta* and small *Prototype* tested.
Site.....NELHA; over 20 years using cold seawater.
Status.....Ready for commercial production scale-up.
Application.....Vegetables, herbs, fruits, ornamentals,
horticulture and sport/turf grass.

SuperSpringAG™.....Hybrid of ColdAG™ technology.
Stage.....*Beta* and small *Prototype* tested.
Site.....NELHA Gateway; over 15 years using cold
seawater.
Status.....Ready for commercial production scale-up.
Application.....Wine grapes, currants, small fruit trees.



IP Technology Development Stage:

DewPonics®.....U.S. Registered Trademark, Patent application
in progress.
Stage.....*Beta* tested.
Site.....NELHA; 2 years using cold seawater.
Status.....Ready for prototype scale-up test.
Application.....Vegetables, herbs, ornamental crops.

RainDome System™.....US Patented
Stage.....*Beta* tested.
Site.....NELHA; using cold seawater thermal energy
Status.....Ready for prototype test at NELHA.
Application.....Secure freshwater production.



Technology Benefits & Opportunity

**Uses abundant CLEAN
RENEWABLE Thermal Energy
Resources**

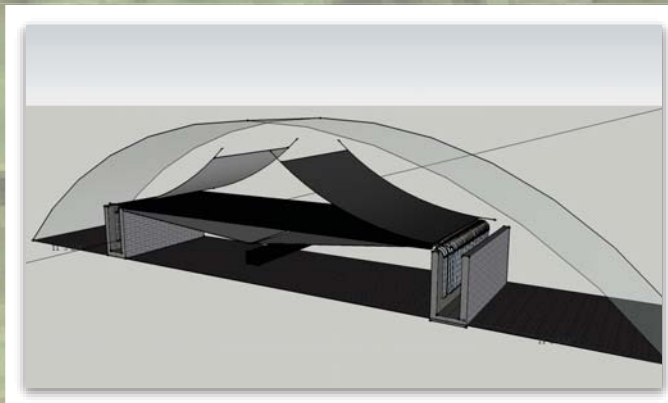
**Opens NEW agriculture
opportunities for arid regions**

CLIMATE CHANGE Resilient

**SECURE NEW Water Resource
from Atmospheric Moisture**

**RELIABLE OPERATION, Ideal
for Remote Applications**

**Can take advantage of land
without water!!! Affordable!**





Commercialization Hurdles:

The IP has been developed exclusively around utilizing cold seawater as the thermal energy source

Lack of commercial scale prototype demonstrations

Limited investment





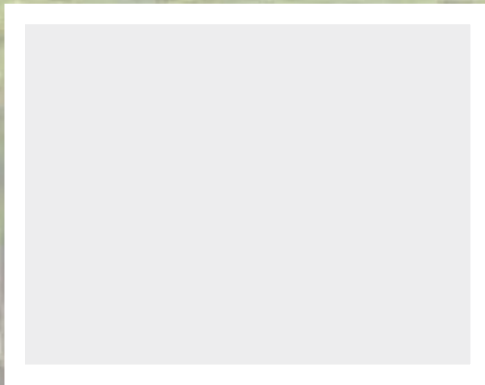
Development Directives:

Continue advancing IP at NELHA

Source key strategic partnerships and investors

Couple IP with Ocean, Solar & Geo-Thermal and Photo-Voltaic (PV) energy producers

Demonstrate a commercial scale 2-3 acre model at NELHA, utilizing TEA and RainDome™ systems to serves as a commercial production model selling product locally, continue to strengthen IP and sell fresh produce products to local outlets.



NELHA Solar Thermal Plant



Makai Eng., OTEC at NELHA





DewPoint System's Projects:

NELHA Gateway SuperSpringAG™ Wine Grape Demonstration (Current)

NELHA DewPonics® R&D (Current)

**Sandia National Laboratories, Collaborative Research on
ColdAG™ in New Mexico (Phase II-Current)**

Consultations

Taiwan

Guam

**Common Wealth of the Northern
Mariana Islands**

California

Hawaii

Haiti

Conference Presentations

Taiwan

Singapore

Asia Pacific Summit

World Aquaculture Society





Team Experience/Background:

Founder has more than 15 years of Pioneering Thermal Energy Agriculture (TEA) Systems at NELHA-Hawaii.

Two Patented Technologies, a third in the application phase.

Technical advisor team has over 150 years of combined experience with ocean thermal and petroleum energy production.

Founder is dedicated with an excellent background in mechanical and biological systems and lives in Kailua-Kona, HI.



Financials:

Assumptions:

- Fuel costs will continue rise in the next 3-5 years imposing greater urgency for TOTAL OFF GRID (water and energy) systems
- Climate change will increase the cost agriculture production and imports
- Food and water security will be vitally important for regional stability
- The cost of traditional agriculture systems will continue to rise

3-5 Year Projection:

- TBA based on project location



Competition - Agriculture

Hydroponic Operations



- Strengths
 - Established turnkey commercial operations
 - Numerous successful global operation
 - Does not require fertile land
- Weakness
 - Limited on cultivar types
 - **Requires a source of freshwater**

Traditional Organic



- Strengths
 - Established turnkey commercial operations
 - Numerous successful global operation
 - Can adapt to greenhouse controlled systems
- Weakness
 - **Highly labor intensive**
 - **Requires a source of freshwater**

AeroPonics and others



- Strengths
 - Some commercial operations
 - Are industry recognized
 - Does not require fertile land
- Weakness
 - Limited on cultivar types
 - **Requires a source of freshwater**



Competition - Freshwater

Reverse Osmosis (RO)



- Strengths
 - Established turnkey commercial operations
 - Numerous successful global operation
- Weakness
 - High maintenance costs
 - High salinity discharge
 - Requires large amounts of energy

Traditional Surface Sources



- Strengths
 - Established systems
 - Established transmission
- Weakness
 - Highly vulnerable to climate change
 - Vulnerable to pollution and environmental disasters
 - Currently over used

Traditional Ground Sources



- Strengths
 - Established systems
 - Established transmission
- Weakness
 - Highly vulnerable to climate change
 - Vulnerable to pollution and environmental disasters
 - Currently over used



Competitive Advantage



Thermal Energy Agriculture (TEA)™

- Ability to turn ON and OFF plant growth thermally
- Ability to grow temperate plants in warm environments with multiple crops per year production
- Ability to utilize INEXPENSIVE NON PRODUCTIVE land w/o water
- Ability to utilize clean renewable energy resources



RainDome™

- Not LINKED to traditional water resources, universal access
- Can be scaled and/or smaller satellite installations
- Can use a variety of sustainable clean thermal energy sources
- Atmospheric water is the MOST SECURE SOURCE
- Is suitable in many areas worldwide where there is no other freshwater alternatives
- Reduces impact on Natural freshwater resources



Applications

- **Ocean Thermal Energy Conversion (OTEC) – residual thermal energy utilization**
- **Sea Water Air-Conditioning (SWAC) – residual thermal energy utilization**
- **Resort Development w/OTEC/SWAC**
- **Military Installations w/OTEC/SWAC**
- **Community development projects**
- **Commercial agriculture operations (coastal and inland)**

Site Requirements:

Adequate source of freshwater moisture or atmospheric humidity and high solar irradiance.



Investment Opportunities

DewPoint Systems LLC is looking for investors that will support this company's mission in developing the world's first thermal energy agriculture operation, at the Natural Energy Laboratory of Hawaii Authority (NELHA), producing food product and atmospheric freshwater using only renewable energy sources.

Family, Friends and others have invested more than \$200K and 15 years of dedicated work on moving this innovative technology forward. The technology has been slow to commercialize due to the fact that it has been solely marketed to deep ocean pipeline projects, which to this day are still being engineered but have been unhurried in deployment. The company is now focused on coupling our technologies with other sources of thermal energy and or generated closed looped thermal systems. Our advancement in energy conservation, efficient modular design and use of Supervisory Control and Data Acquisition (SCADA) systems has provided new insight into compatibility with alternative sources of cold energy.

We are seeking Strategic Partnerships with alternative energy companies.

We are seeking Angel Investors to launch into a commercial scale phase I demonstration

We are seeking passionate investors that want to get involved

We are seeking \$3-5M over a 3-5 year period with a payback of 5-10 years



***"We are RIFE for Development
and we can satisfy your thirst"***

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