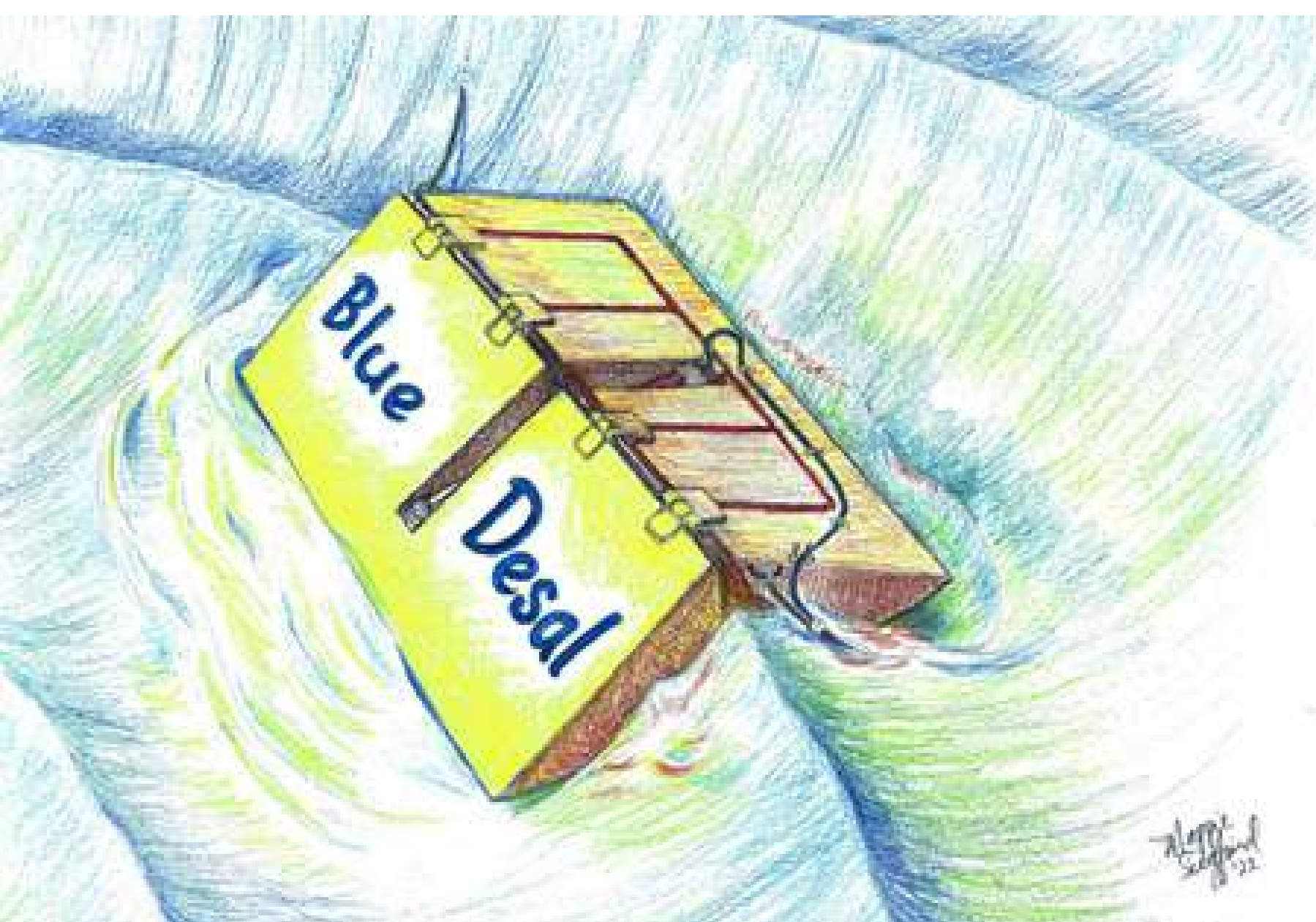




WAVE POWERED DESALINATION

*Making Water & Energy
Affordable for Everyone*



Droughts, wildfires, climate change and population growth have made water availability challenging in most parts of the world. However coastal regions are near large sources of salt water. Desalination is being used more and more but has the problem of consuming large amounts of energy to produce the water.

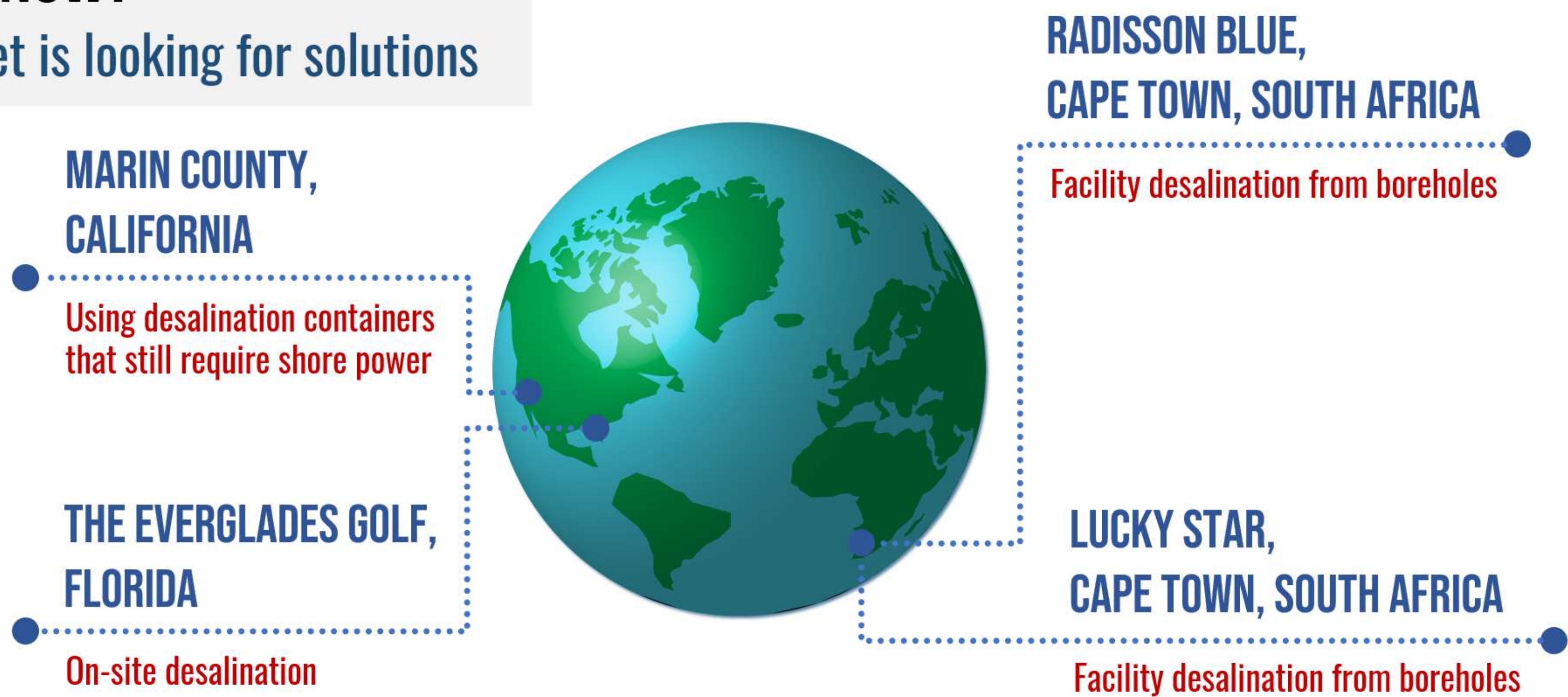
Wave powered desalination solves the energy problem associated with desalination. Small businesses and organizations in water intensive industries such as agriculture, recreation, hospitality, humanitarian relief, military and municipal operations will benefit from wave powered desalination structures that are not dependent on the traditional energy grid.



Variable Leverage Pumps (VLP's) are modular and will help installations make progress toward NET ZERO ENERGY & WATER goals and increase both energy and water resilience by continuing to produce clean water 24X7X365 even during power failures.

WHY NOW?

Market is looking for solutions



Desalination solutions being offered are becoming smaller but still have energy consumption problem

Wave Powered Variable Leverage Pump VLP

20,000 gallons per day per unit
Modular system allows for growth based on needs & available financing
Branding and design opportunities available

COST COMPARISON



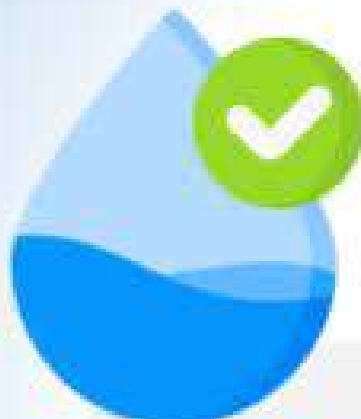
AVG. DESAL PLANT*

Build:
US\$80-250M

*Texas Water Development Board

US\$3.60-5.80
/ 1000 GALLONS

VS.



VLP BLUEDESAL

Construction and
equipment cost:
US\$300K

US\$4.10-4.25
/ 1000 GALLONS

25 % of America's electricity goes to moving and treating water

– *California Energy Commission*



“Drought affects more people globally than any other natural disaster.”

- *Natural Resources Defense Council*



Water utilities have been instructed to make their operations more energy efficient and to incorporate renewable energy



Every gallon of water wasted also means energy wasted



Droughts →

1 out of 3 people do not have access to safe water



What is the size of the unit?

40 ft x 70 ft (12 m x 21 m)

Do units need to be tethered to the sea floor?

BlueDesal has two options an untethered version that is licensed with a standard vessel CF number or a tethered version that depending on the locality may need regulatory approval prior to installation.

Is desalinated water storage an option?

Yes, it is. Depending on facility infrastructure layout and optimization plans, desalinated water storage facilities should be considered as part of the infrastructure improvement plans for additional cost.

MEMBER



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