

KUBE Technology™ Limited

Solar Solutions

PRODUCTS

Made in the USA

Providing World Leading Solar Solutions:

- *Solar Water Purification*
- *Solar Vaccine/medical supply*
- *Solar food refrigeration*
- *Solar Power Supply-240 V & 3phase*
- *Solar Lighting Systems*

For developing nations, remote locations, and disaster zones

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Fact: KUBE Technology is the first in the world to develop solar powered reverse osmosis systems.

Providing reliable solar powered water purification of both fresh water and sea/salt water.

All KUBE Technology Products are designed to be transportable and deployable to all locations.



Mission, Vision, and Values

KUBE Technology™ Limited provides world first solar technology developed in the USA. KUBE Technology™ is designed to provide the most basic human essentials to people in the remotest and/or disaster stricken areas in the world.

World leading technology enables KUBE Technology™ to provide the following:

- *Solar Powered water purification via reverse osmosis*
- *Solar powered vaccine and medical supply/storage*
- *Solar powered cold food storage*
- *Solar powered power supply systems*
- *Solar lighting*

Mission

KUBE Technology™ Limited's mission states our purpose as a company and serves as the standard against which we weigh our actions and decisions.

- To develop world leading technology through innovation
- To provide realistic solutions for basic human essentials to the people most in need
- To make a difference to the lives of people in the remotest and /or disaster stricken areas in the world
- **To save, extend, and better the lives of those without basic services**

Vision

To improve the lives of those most in need throughout the world.

Values

SAY AS WE DO-DO AS WE SAY

2.0 Solar Powered Reverse Osmosis: (Water Purification)

We did it! WORLD'S FIRST SOLAR REVERSE OSMOSIS

KUBE Technology achieved what most said could not be done. The purification of both fresh and sea water via reverse osmosis utilizing solar power only.

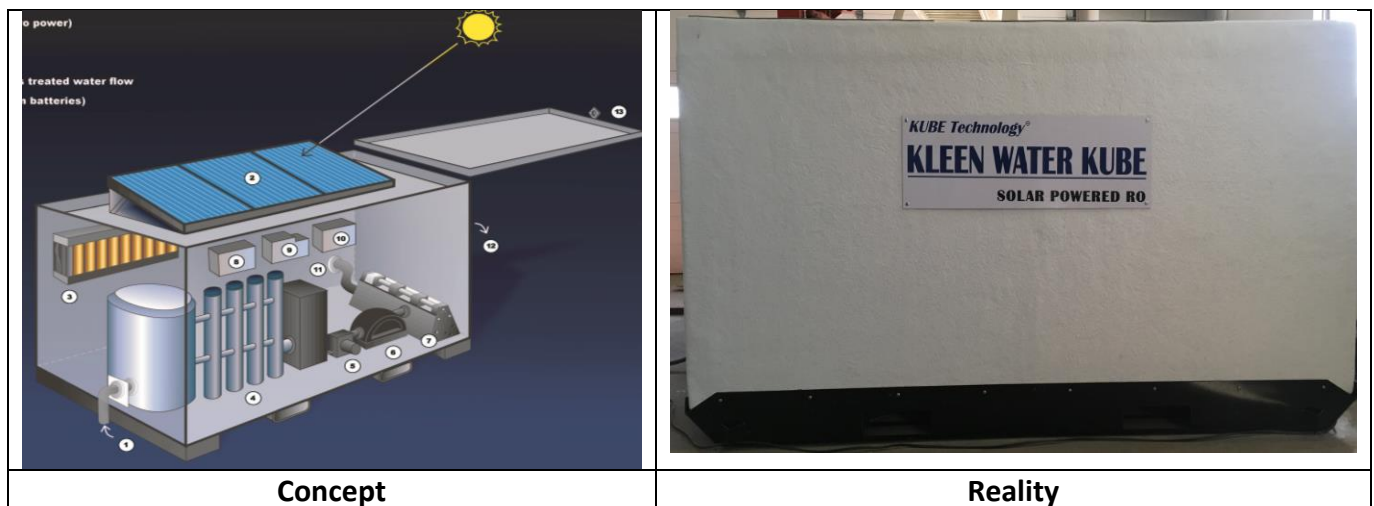
Why?

To develop a system that works reliably without fossil fuels or human interaction in the remotest regions of the planet.

To ensure people have access to life saving clean and safe water supplies.

KUBE Technology Kleen Water KUBEs include the following models:

- 1) Salt water Reverse Osmosis System – producing 1,000 Litres per solar day**
- 2) Fresh water Reverse Osmosis Systems G3000- Producing 12,000 litres per solar day**
- 3) Fresh water Reverse Osmosis Systems G200- Producing 1,000 litres per solar day**
- 4) Custom units can be built to suit needs.**

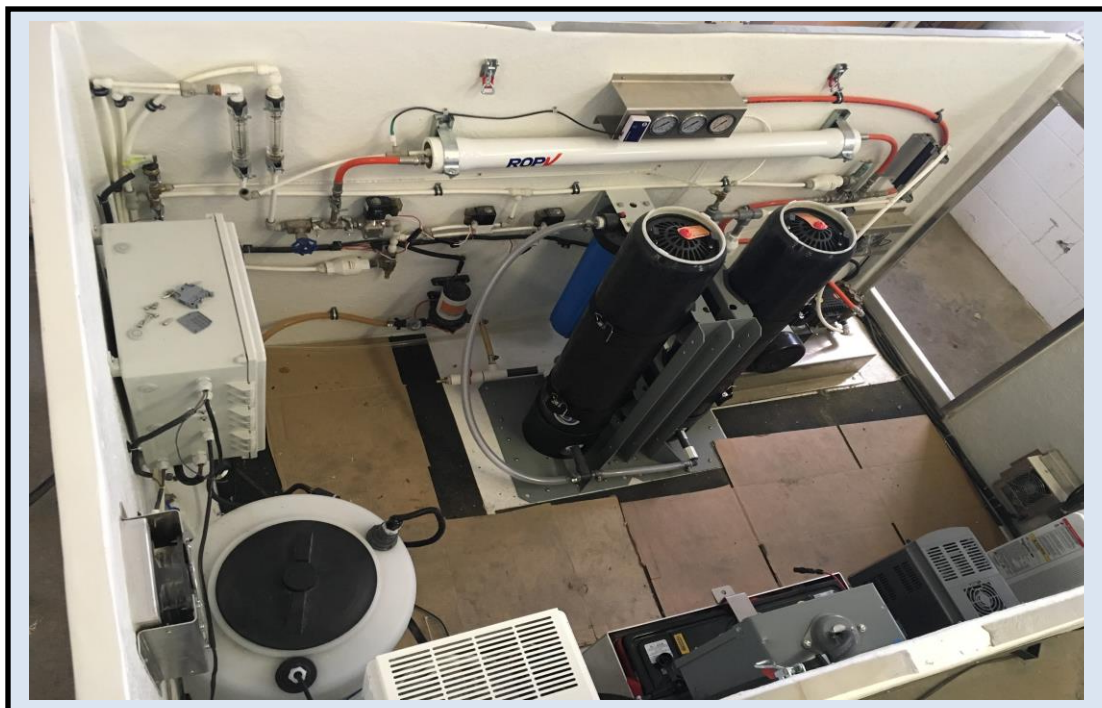


The Units:

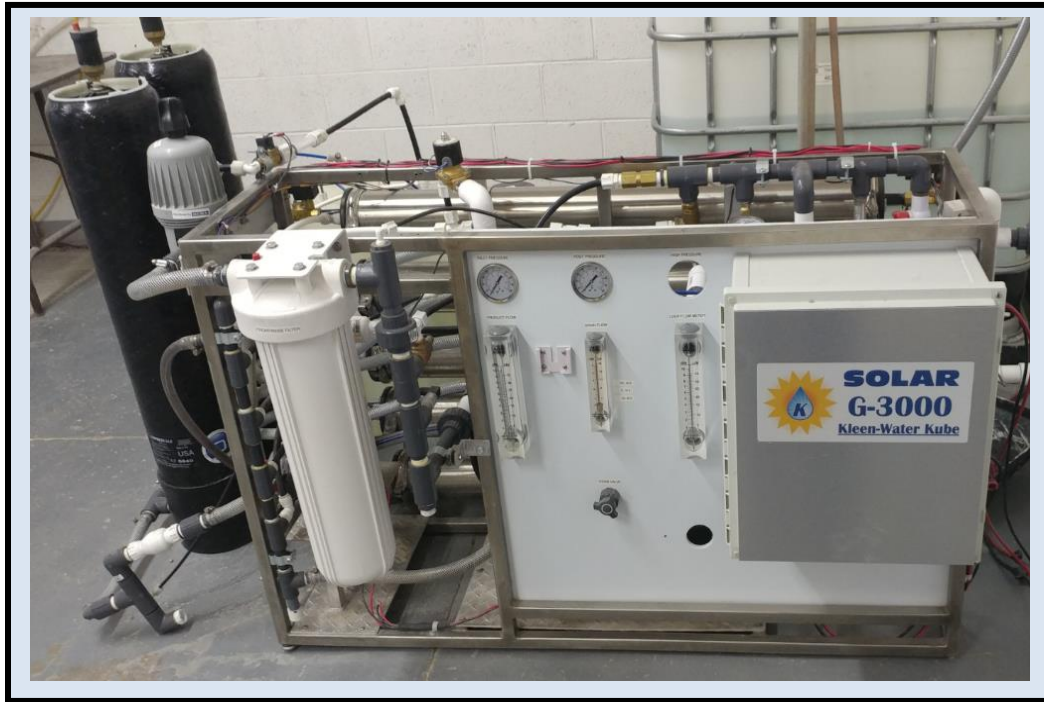
Solar Salt Water RO



The Saltwater RO KUBE Unit and internal Mechanics Unit.
Produces water at 110- 130 PPM (bottled water quality) from seawater
No daily operation or maintenance required- filters change 9-12 months only



Solar Fresh Water RO G-3000



G-3000 Solar Unit for Fresh Water-Produces 12,000 Litres/3,000 Gallons per day (12 hour solar day)

- Designed for larger capacity uses such as villages, hospitals, schools etc.
- Internal mechanics highlighted- no KUBE box enclosure shown
- 12 panel solar array not shown
- Purification typically around 10 PPM(parts per million).
- No ongoing maintenance required. Filter maintenance approximately 9 to 12 months only. Designed to start and stop and flush/clean filters automatically every day.

G-200 Solar Fresh Water RO unit



- This unit purifies over 1,000 litre per day from fresh water source.
- Purification typically around 10 PPM(parts per million).
- No ongoing maintenance required. Filter maintenance approximately 9 to 12 months only. Designed to start and stop and flush/clean filters automatically every day.
- 4 Solar Panel array not shown. KUBE fiberglass enclosure included if required for outdoors locations
- Designed for smaller applications such as small villages, medical centres, aid post, hospitals schools, government offices etc.

3.0 CHARGE Stations:

Designed to provide fundamental power supply in villages and emergency situations for the vital lighting, phones, radios and devices.

KUBE Technology CHARGE STATIONS



- ***Solar Powered Lithium technology-10 year plus life span***
- ***Compact folding design for transportation***
- ***8 USB ports for multiple charging of devices***
- ***Reliable high performance in low light conditions***

**The addition of light and communication to those without is one of
life's greatest impacts**



The Charge Station combined with the “LightStick” provides the most reliable, waterproof, shock proof and efficient lighting available.



- ***The “lightStick” provides over 46 hours of light from 3 hour charge***
 - ***Can charge 3 Iphones (or equivalent) and other devices from light***
-

4.0 Klinik KUBE:



*The solar powered **KLINIK KUBE** is designed to provide;*

- *Safe Vaccine Storage (WHO rated)*
- *Medical Supply Storage,*
- *Safe Food Source*
- *Emergency Fixed & Portable Lighting*
- *Water Purification*
- *Charging of Appliances*

In the remotest and/or disaster stricken areas on our planet



Interior View of Vaccine Fridge/Exterior Light



Klinik KUBE installed in East Cape Papua New Guinea



Interior Emergency Backup lighting/Vaccine Fridge



Battery and Control box with USB port for charging laptops and phones for medical uses

Providing the Fundamental Services of a Hospital via Solar

5.0 Kool KUBE:

Solar Powered Refrigeration Systems



- **Designed to provide large scale food storage**
- **Twin motor systems for redundancy**
- **Capacity- 98 cubic feet or one metric ton of food goods**
- **Lithium Battery Support System**
- **Interior Racking and Hanging Hooks**
- **Interior Lighting**
- **Large Entry Door**



Interior Storage



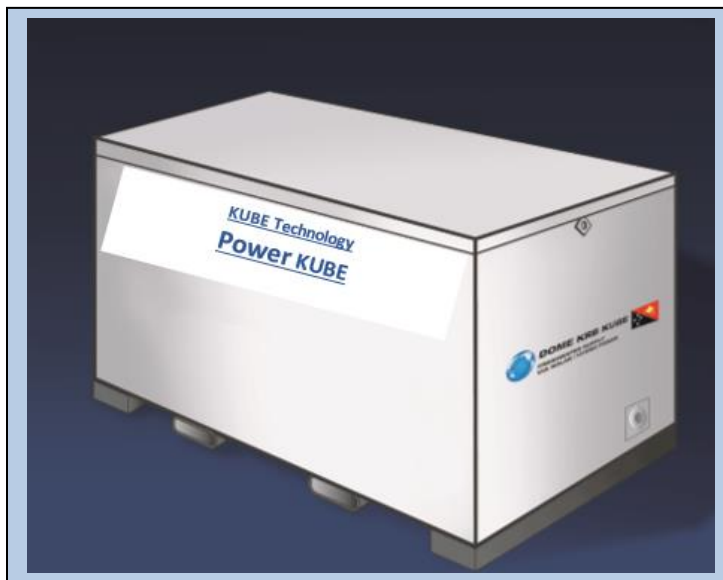
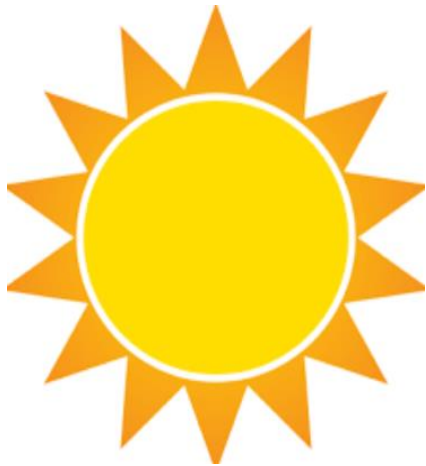
2000 W Solar array ensures performance in the lowest light conditions- Unit in Papua New Guinea

6.0 Solar POWER KUBE:

The ability to provide reliable full voltage 120 or 240 volt and/or 3 phase power supply to remote communities to engage in education, health services and business activities increases the economic prosperity of developing nations



- The base model system supplies either 120 or 240 V with 3 phase options. Supplying 4,000 watt continuous with 8,000+ surge.
- Add batteries and solar panels and enjoy twice/triple this power supply
- Simply connect to buildings and enjoy full power supply for all appliances off grid





Government Offices



Schools



Workshops

Remotely located buildings can now provide full services via a full array of appliances such as computers, lights, fans, air conditioners, and general appliances reliant on full voltage systems. Additionally Workshops can utilize 3 phase power to run welders, drills etc.



Hospitals



Hotels/Lodges

Power KUBE Components:

The Power KUBE is easily implemented with only two sections to the entire process.

- 1) 40- 250 Watt solar panels (10,000 Watts for 5kW systems) and associated racking/ground mount systems with PV wiring looms provided.,
- 2) The Power KUBE- is a fiberglass climate controlled housing system for security of the electrical components, Sine wave inverter, current converter and Lithium battery system.

Power KUBE is then located proximate to the building to be powered and is simply connected to the existing wiring systems via the fuse box OR buildings without can be wired to accommodate the required appliances and outlets.

Power Supply Options:

KUBE Technology is offering 3 base systems:

- 1) 3 kw (3,000 Watts) battery system
- 2) 5 kw (5,000 Watts) battery system
- 3) 10 kw (10,000 Watts) battery system

Units can be designed for specific use by simply adding battery and solar panels banks to the systems.

HOW MUCH POWER WILL IT SUPPLY?:

As an example the base line 5kW system will allow the following electrical demand.

DAYTIME USE:

During sun hours the over powered solar array will provide more power that the 5kW battery system can deliver. Therefore full use of general 240V appliances can be achieved. Use of air conditioners, washing machines, TV's, computers, fans, and all other general appliances can be utilized as in normal use on a power grid.

NIGHTTIME USE:

The battery bank now determines the run time of appliances after general daylight hours. Based on a 5kW system a remote office or school, as an example, could utilize 3 fans, 6 standard lights, 3 computers, a TV, printer for 4 hours.

For remote locations without power this enables full use of buildings during normal working hours plus limited night time use- this revolutionizes potential economic growth abilities for off grid communities and developing nations.

7.0 Solar POWER BOX:



POWER BOX - Designed to provide a basic power supply for permanent lighting to remote and off grid buildings such as Schools, Hospitals/AID Posts, Government offices, Hotels and Homes etc.

- **2 Hour installation providing over 20 lights throughout a building.**
- **Extends over 70 metres (240 feet) from POWER BOX (36.5 metres each way) providing lighting for large buildings with many rooms.**
- **Additionally supplies power for LighSticks (portable lights and charging systems) and power for all USB connection appliances**



Installation:

- One 265 Watt solar panel installed on roof
- POWER BOX unit installed in building
- Lighting system installed throughout building to provide permanent/semi-permanent lighting with on/off switches in all rooms/locations required
- POWER BOX provides additional charging at unit for phones, lights, radios, ipads/laptops etc

2 hour installation- no further ongoing maintenance required

Provide Light for entire buildings plus power supply for charging phones, radios, laptops, lights, etc.

8.0 Solar Street/Area Lighting:



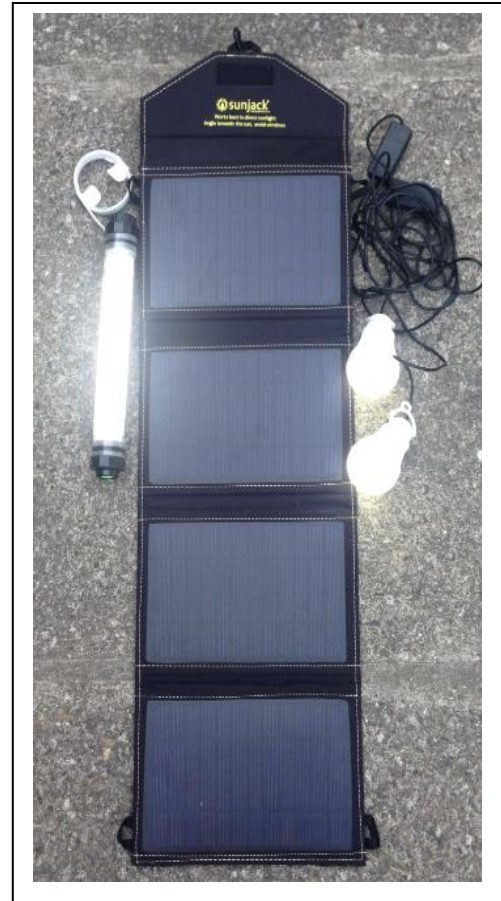
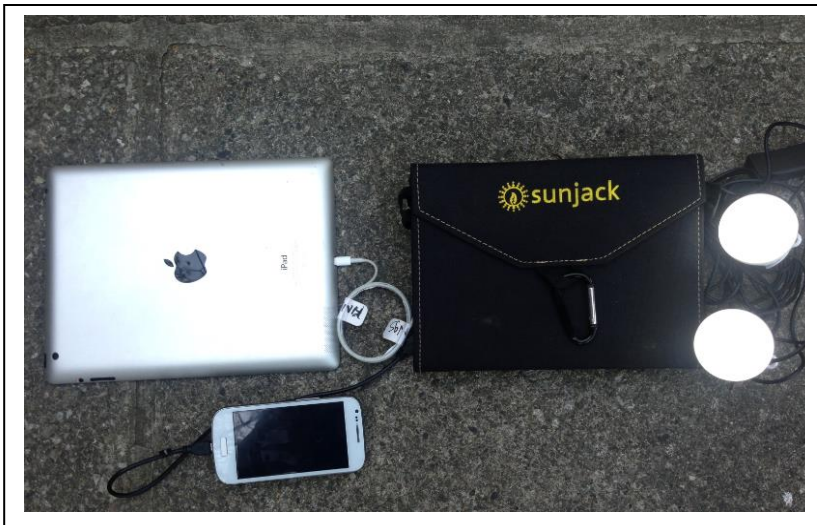
- **Designed to Perform Reliably in Lowest Light Environments**
- **Lithium Battery Technology**
- **Two Water Proof 5 Watt LEDs**
- **Composite Poles, Category 4 Hurricane Rated, Lightweight, Rust Proof**
- **Rugged Tamper Proof Design**
- **Extremely Portable**

9.0 Solar Lighting:

Sunjack solar lighting systems utilize the best Lithium technology and provide ten plus year life spans on battery systems.

Designed to be portable, reliable in low light and have the capacity to recharge additional appliances.

Designed for remote home, hospital, school, and/or emergency situations.



Units:

- Sunjack - 20 Watt (4 Bulbs)
- Sunjack - 14 Watt (3 Bulbs)
- Sunjack LightStick

All Lighting units have capability to recharge additional appliances

KUBE Technology has been developed to provide fundamental services to those most in need around the world.

KUBE Technology units are designed to perform reliably in the harshest and remotest conditions in the world.

Thank you for your interest.

Further information please contact us on the following and we will answer questions and provide further detailed information on individual units as requested.

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