

ECUADOR



ECUADOR, Galapagos Island, Island Isabela

SUSTAINABLE POTABLE WATER SUPPLY AND PET-RECYCLING

PEOPLE
. . . on Isla Isabela



There are about 2,200 inhabitants on Isla Isabela.

There are about 10% tourists on Isla Isabela each day

Together approx. 2,500 people living on the island

POTABLE WATER CONSUMPTION on Isla Isabela



Each person needs approx. 3 liter potable water per day for

- drinking
- cooking
- personal hygiene

For 2,500 people, there is a need of 7,500 liter potable water per day on the island

POTABLE WATER CONSUMPTION
. . . on Isla Isabela



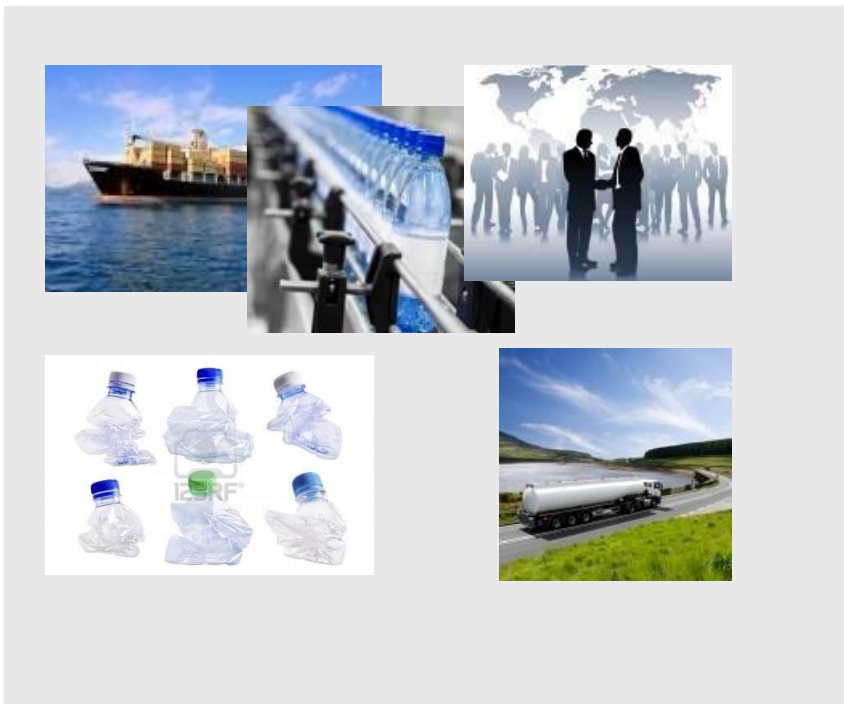
7,500 liter per day

52,500 liter per week

225,000 liter per month

2,700,000 liter per year

POTABLE WATER COST on Isla Isabela



The cost of potable water includes

- water bottling
- logistics
- transports
- trading
- disposal of empty container, bottles, etc.

for this you pay approx.
1 U\$ per liter

POTABLE WATER COST
. . . on Isla Isabela



people of Isabela spend for potable water :

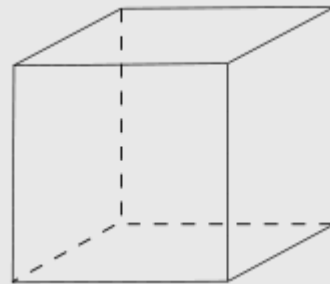
7,500 U\$ per day

52,500 U\$ per week

225,000 U\$ per month

2,700,000 U\$ per year

POTABLE WATER VOLUME OF BOTTLES
. . . on Isla Isabela



8 x 8 x 8 meters

20% volume

is equivalent to

**540 cubic meters PET-
plastic disposal per year**

is equivalent to

a cube of 8 x 8 x 8 meter

POTABLE WATER VOLUME OF BOTTLES on Isla Isabela



100%



20%

While the filled bottles have a volume of

100%

The plastic disposal still have a volume of approx.

20%

Equivalent to

**540 cubic meters
PET- plastic disposal**

POTABLE WATER CONSUMPTION on Isla Isabela

In combination with PET-recycling Plant "save nature and produce energy"



We solve the problem sustainably!

pycarbo
RECYCLING TECHNIQUE
RECYCLING TECHNIK
RECYCLAGE TECHNOLOGIE
PYROLYSIS
PYROLYSE
PYROLYSE

- Transformation of waste to usefull resources
- Transformation and use of energy produced in the process
- Pathbreaking for the containment and the removal of further environmental damages

THE SOLUTION on Isla Isabela



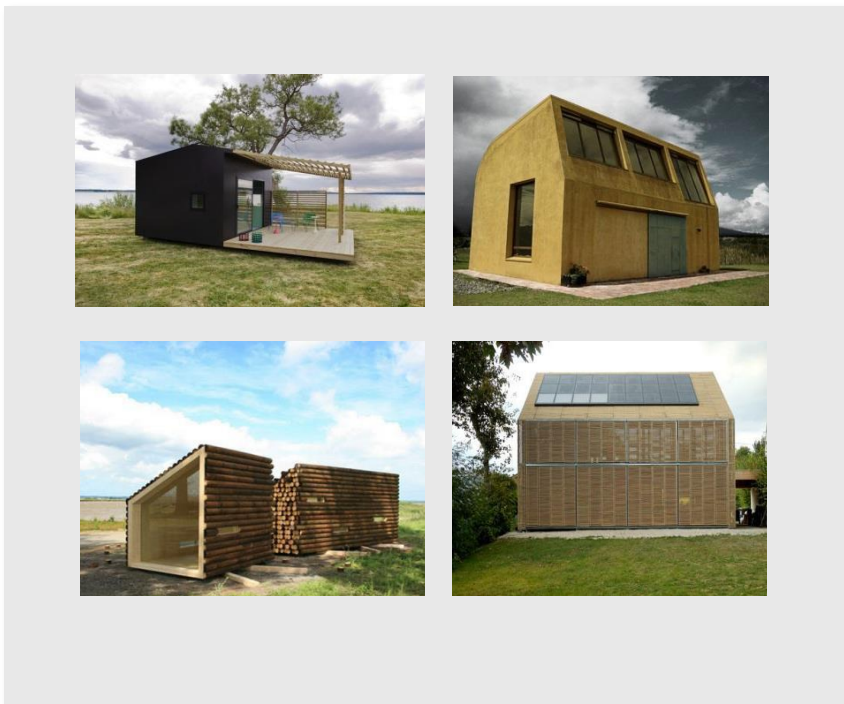
water treatment systems for drinking water

- mobile version
- stationary version

by using

- saltwater and/or
- impure water

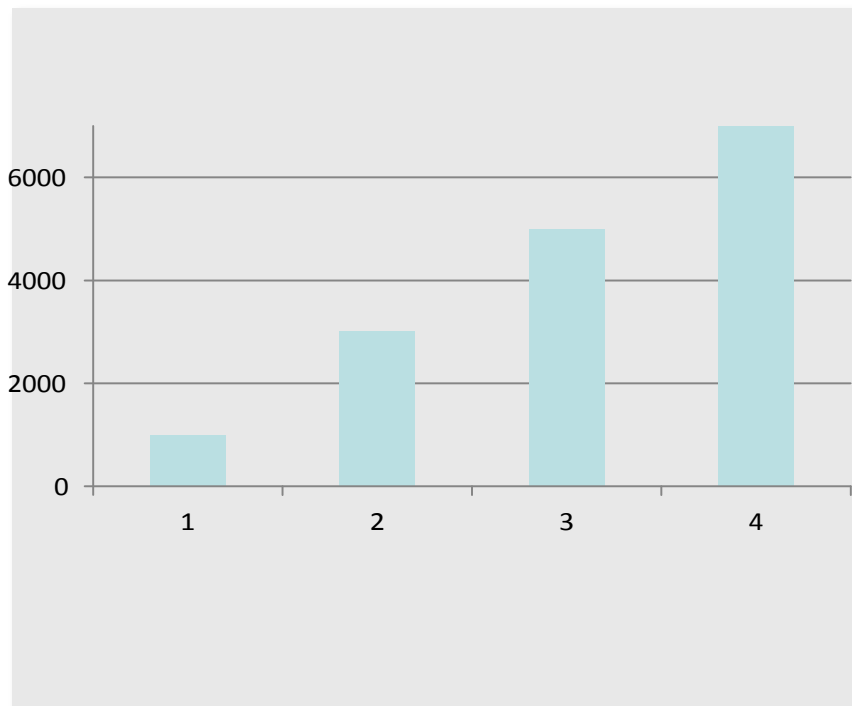
THE SOLUTION
. . . on Isla Isabela



coverd in individual designed, nature adapted but simple bulidings for

- community
- hotels
- hospital
- compounds
- etc.

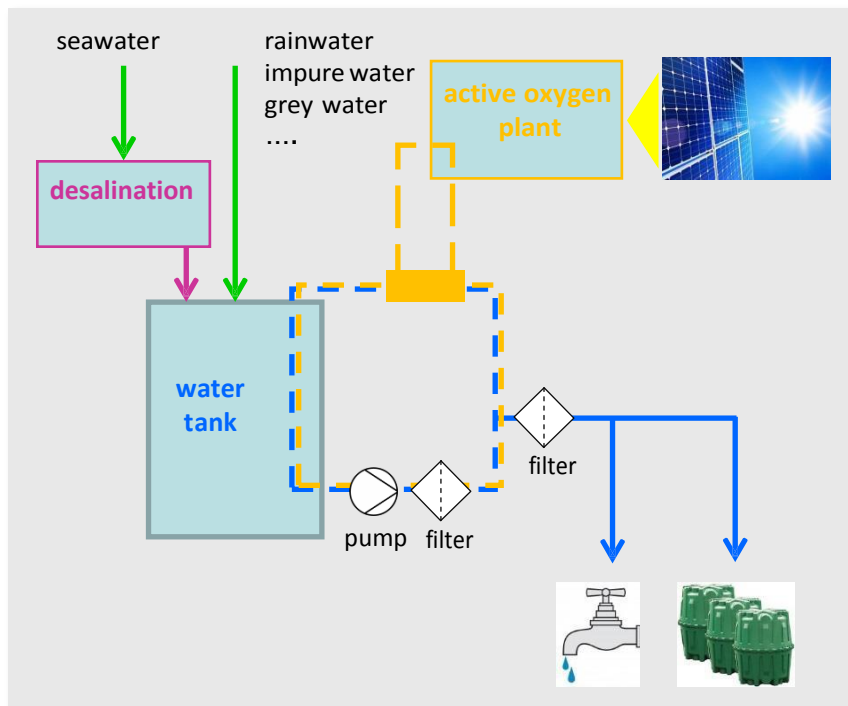
THE SOLUTION on Isla Isabela



in sizes of

- 1,000 liter per hour (mobile) – S
- 3,000 liter per hour (mobile) – M
- 5,000 liter per hour (mobile) – L
- 7,000 liter per hour (mobile) – XL

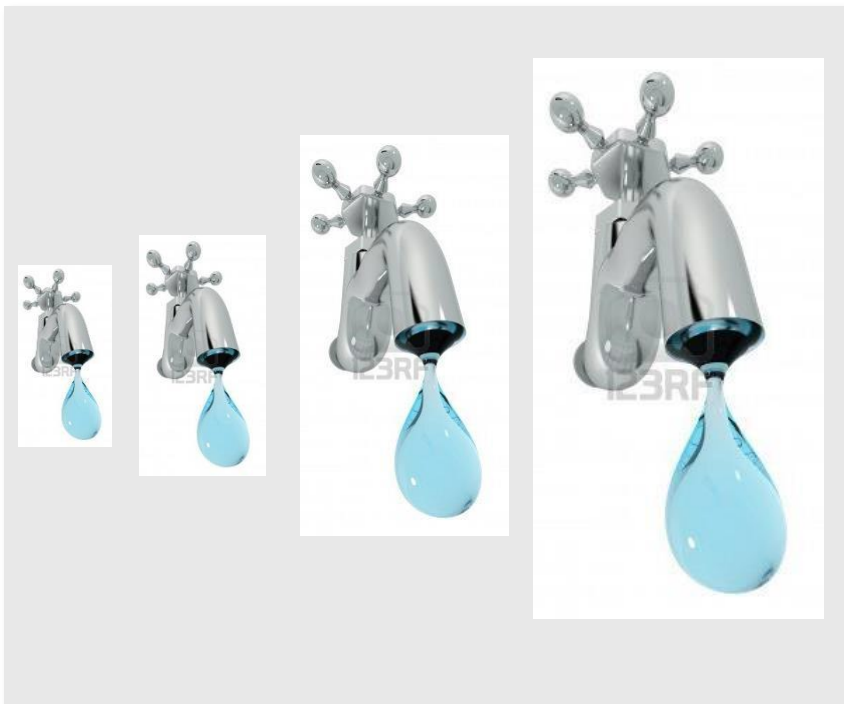
THE SYSTEM on Isla Isabela



function and technology

- water treatment systems for potable and waste water with OZONE, the most potent natural disinfectant
- off-grid operation by solar system
- no use of chemicals hazardous to the environment
- easiest operation of the plants or systems
- very low operation costs
- Patented automatic system for ozone control and checking
- Continuous measurement of the Redox potential

THE OUTPUT on Isla Isabela



running the system by solar – without energy costs, you will get potable water for free:

- 8,000 liter per day (small plant)
- 24,000 liter per day (medium plant)
- 40,000 liter per day (large plant)
- 56,000 liter per day (extra large plant)

based on 8 sunhours per day, 8 hours operation

BACKWARD CALCULATION on Isla Isabela



running the XL-plant only by solar power, the output will be approx. 56,000 liter.

That means there will be

22.5 liter potable water
per person and day

- for showering
- toilet flushing
- gardening
- etc.

based on 8 sunhours per day, 8 hours operation

SUMMARY

“We forget that the water
cycle and the life cycle
are one.”

Jacques Cousteau

*** Interested ?**

we create a detailed feasibility study and business plan

CONTACT

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