

# WATER A DREAM FOR CHILDREN



Clean water hope  
for healthy community



## INDONESIA

### The Prospective Growth >< The Water and Sanitation Issues

With the GDP expected to reach US\$ 1trillion this year, Indonesia is the largest economy in Southeast Asia. Much less affected by the global financial crisis compared to its neighbouring countries, Indonesia's economy grew by 6.3% in the first semester of 2012, making it the fastest growing G20 economy after China. Indonesia grew by 6.5% in 2011 and is expected to grow by 6.3% this year, providing a case for the country's inclusion in the so-called BRIC economies. Future economic expansion is expected to include more inclusive growth as nominal per-capita GDP is forecasted to quadruple by 2020.

A large part of the economic success is a result of prudent fiscal stewardship that focused on reducing the debt burden. Indonesia's debt to GDP ratio has steadily declined from 83% in 2001 to less than 25% by the end of 2011, the lowest among ASEAN countries, aside from Singapore which has no government debt.

> These have made Indonesia an investment destination. Abundant natural resources and a large and growing domestic market, combined with an improving investment climate and a higher global profile, are just a few of Indonesia's vast economic potential.

> As economic grows, there is a need to connect new approaches to infrastructure and facilities across the vast territories to the core of local economic development and quality of life. With a population of all most 250 million spread in 17,000 islands archipelago, financing of basic community serviced, especially trunk water supply and sanitation, is a formidable challenge for sustainable urban development. As urban populations continue to expand, the demand for these basic services will continue to outpace local government ability to bring these services online. With severely constrained fiscal abilities, self-sourced by local governments in these projects are unthinkable.

> Similar occurrence happen in remote areas or less develop region where access to basic water needs is still a critical problem, both by nature or poor inhabitants. For people living in urban slums, water and sanitation remains a critical problem. The existing sanitation system will never cope with the massive urban development. The industrial growth creates more jobs but also unresolved settlements issue. The over exploitation of underground water, the river water and the improper sanitation and waste water discharge has affected the consumption of polluted water for household and has bad nutrients affect for the people especially for the children.

## Solution to the funding gap for water and sanitation services

Cities and Local Governments worldwide, including those in emerging market economies and less developed economies, are looking to private markets to help fund their massive water and sanitation requirements. Domestic banking systems often view long-term lending for urban infrastructure and water and sanitation as too risky. Domestic capital markets provide an opportunity for raising long-term resources and channelling them to such projects.

While financing of capital investment by issuing long-term bonds is a well-established practice in cities of developed economic, access to financial markets, both domestic and international, by less developed economic cities is more restricted. In many instances, municipalities are not allowed to borrow and often lack efficient municipal financial management and skills. While borrowing power are limited, alternative resources are grant and pledge from international and domestic private and institutional assistance.

New initiative of public private partnership with sponsors is an essential platform for the local communities to self sustain the financing gap for water and sanitation services.



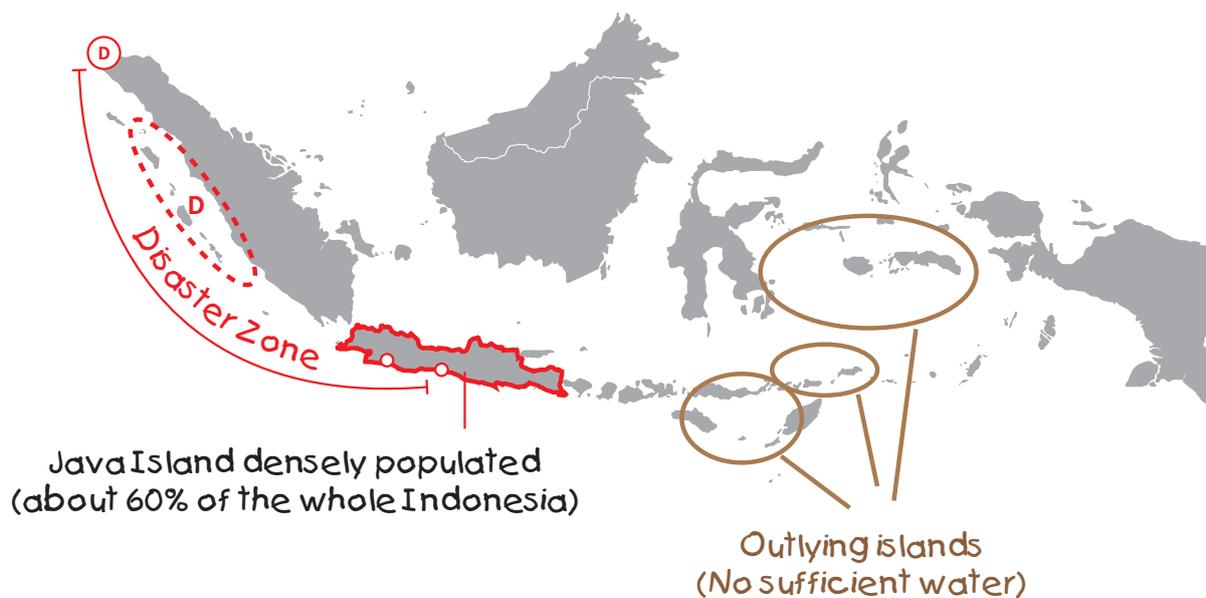
# Water Care programme for Indonesia

The initial approach of the programme is to answer the basic need of healthy water for the children and community.

There are 3 focus on water and sanitation issues which have strong impact to children care :

- > Urban Water for inadequate human settlements within city limits or in Slums
- > Community Water for drought areas and where resources are contaminated
- > Emergency Water for aid due to natural disaster and its recuperation

The above objectives are of national and global issues of today to meet the challenge of sustainability of healthy communities, children and their grand children.

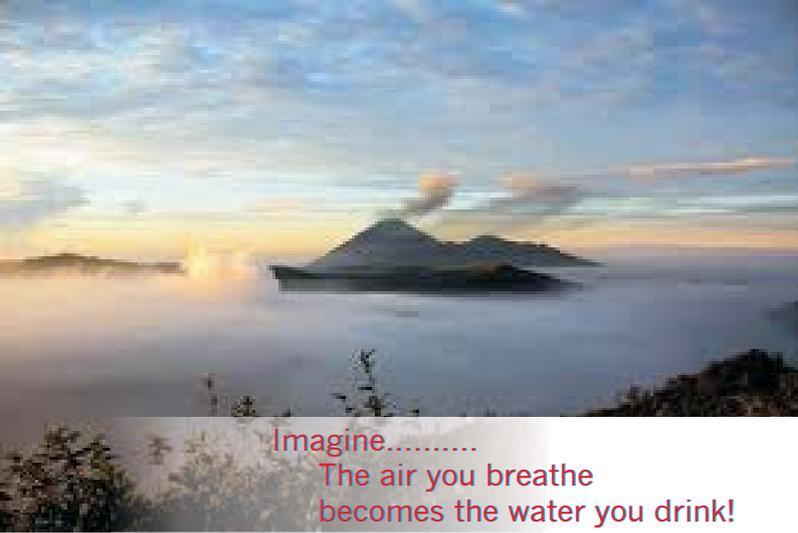


## >EG water technology

The dependance of ground water or river water may not be a sole solution. Many villages in Indonesia have no access to reliable water supply. The drying well, contaminated and depleted ground water, force them to walk for hours in the hot sun to collect water and carrying back heavy pots of water which will last them for just one day.

In many circumstances children are also involve to carry out the sae exercise day in and day out.

The EG Water Technology is an immediate solution to their needs. With EG Water technology, the community will have direct access for consumable water. EG Water technology creates a constant supply of clean purified drinking water by extracting the moisture from the air we breathe. Such technology is deemed suitable for tropical areas and has proven to harvest 5000 liters of pure water, based on capacity of 10 unit of compatible machine, daily.



Imagine.....  
The air you breathe  
becomes the water you drink!

## {water} from {air}

Believe it or not, Earth's atmosphere contains more water than its vast oceans. 8 miles straight-up of untapped atmosphere just waiting to contribute to life on Earth. Until now, it was a mere fantasy to harness that unlimited, and renewable natural resource. EG Water Technology brings the previously unfathomable idea of limitless, sustainable, and portable hydration to the masses.

- > EG Water Technology works by converting the humidity in the air to water.
- > Air enters through the primary intake vents.
- > EG Water Technology revolutionary Vapor Enhancer charges the air particles to enhance vapor saturation level before the air passes through EG Water Technology Micro Anti bacterial Air Filter. The air filter effectively prevents micro-particles and dust from entering the appliance.
- > The water harvesting chamber condenses moisture from the air. This act of changing moisture from air is the first stage of the purification process. Most pollution in the air will pass harmlessly through the machine without contaminating the water.
- > The collected water is treated to international drinking water standards. This strict purification regime ensures great tasting water through a multi stage filtration process and an UV sterilisation process before storage.
- > EG Water Technology is designed to be energy efficient and is equipped with micro computer and electronic controls to ensure proper and optimum performance. The result is high quality good tasting water.



### The benefits of EG Water Technology

- > Cost efficient. 50% less expensive than bottled water.
- > No Delivery - no transportation costs
- > No plumbing & no assembly required
- > No wasted water.
- > No wasted energy.
- > No wasted plastic bottles.
- > Minimal carbon footprint.
- > Free up valuable floor space.

## IS YOUR WATER SAFE

Water is a natural solvent, so many things get dissolved into it. There is a strong chance your water may contain a number of contaminants, such as:

- > Lead, Copper, Mercury and other heavy metals
- > THM's & Chlorine
- > Pesticides & Herbicides
- > Arsenic, Randon & Bromate
- > E. coli & Other Bacteria & Viruses

## WHAT'S IN YOUR DRINKING WATER?

Types Of Water	Bacteria	Viruses	Residual Chlorine	Dirt	Pollution	Chemicals
Hard Water	Yes	Yes	Yes	Yes	Yes	Yes
Raw Water	Yes	Yes	No	Yes	Yes	Yes
Boiled Water	No	No	Yes	Yes	No	No
Glacier Water	Yes	No	No	Yes	Yes	No
Filtered Water	Yes	No	Yes	No	No	No
Bottled Water	Yes	No	No	No	No	No
<b>EGWATER</b>	No	No	No	No	No	No

## EGWater Guarantees Water Purity

EG Water Atmospheric Water Generators are superior in design, features and benefits. Our technology assures clean, safe drinking water.

Our water had undergone vigorous testing from various accredited laboratories around the world and results had proven our water to surpass World Health Organization (WHO) Drinking Water Standard.

EG Water's products generate and purify water, both on and off the grid. Our solutions to the basic human need for fresh, clean water can be applied to domestic, commercial, recreational, agricultural, military and humanitarian purposes. Our technology can be used almost anywhere water is needed.



EG Water technology and products serves the need of clean water for communal, institutional and individual need. EG Water has delivered unprecedented products to international food and catering facilities management from France, a number of mining companies in Australia, South Africa and USA, offices in Singapore, and hospital in Indonesia.

In the scope of community water facilities, EG Water has initiate cluster water supply to answer the need of water for villages that has no access to clean water supply, and free them from the dry well, depleted river, contaminated ground water.



Clean water is prerequisite for the health of children to free them from disease not only in the village but also in urban and its hinterland to improve the overall quality of life and disease free for the less fortunate communities. To provide them with access to basic need of clean water.

Indonesian Air force, US State Department, Pentagon and Republic of Singapore Air Force are few of the institutional clients of EG Water, be it water for emergency contingency planning, water with security concerns and to reduce dependency on conventional water in remote island.

For the tourism sector, be it eco-marine small islands resort or wild-life nature conservation, EG Water is the right solution partner to provide essential water with healthy elements to the niche destination.

Thanks to the patronage of Tambling Wild-life Nature Conservation, Artha Graha PEDULI, JIHD Group of Hotels from Indonesia for entrusting EG Water technology and to the Seychelles Government for the initiative to jointly establish niche water manufacturing plant in Seychelles.



## Give Water to Children

These children are our future and much more are needed to be done to provide them with proper basic sanitation like drinking water. They do not need to be deprived of basic clean drinking water if modern technologies are able to fulfill their needs.



In Indonesia, not all citizens currently enjoy access to clean water. Only 50% of households have access to clean water and sanitation. The total number of people with clean water access is just 40 million.

Even though Indonesia water resources accounted for almost six percent of the world water resources or about 21 percent total water resources in the Asia Pacific region, in fact clean water is becoming a serious problem in Indonesia, and some of the most affected areas are: Areas of Java, Sulawesi, Bali and Nusa Tenggara, which they face a serious clean water deficit.

Acute shortages of drinking water in regions across Indonesia have been hot news over the past two weeks, raising public sympathy for the rural poor who are forced to consume water unfit for human consumption.

## Water Care Approach

The mission of this project “Give Water To The Children” will afford children and adults of the selected communities basic water needs and dignity by deploying EG Water’s solutions – harvesting water from the air to supplement the depleting and unreliable water sources to mitigate their need for clean healthy sustainable water for drinking, cooking, sanitation and other daily needs.

EGWater has approached various local communities’ authorities and introduced the renewable water through a special program to bring EG Water Station to remote communities both in urban and rural.

To augment water supplies in for these communities of 300 to 500 population size, Kunz Care & EG Water are proposing to implement EGWater Stations to complement water supplies from existing limited water sources. The EG Water Station provides a localised source of pure drinking water and does not require an external water source, or catch basins. All it requires is electricity or alternate power sources. Each station comprises of the water plant, holding tank, and dispenser.

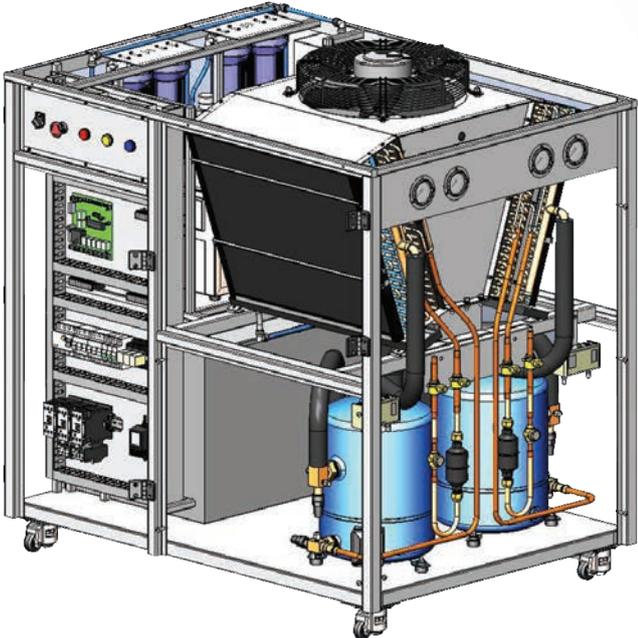
# Water Station

With the EG Water station, the children of Indonesia now have their own, secure constant supply of purified water. It will change their lives forever.

Each station is capable of supplying 2,500 ~ 3500 litres of water per day - sufficient for 300 ~ 500 people for daily consumption (2 litres) and cooking (3 litres) aiming to improve the overall quality of life and health of these communities, especially for children under the age of five. The station perform as per the rated capacity based on the average weather condition between 25~35C and relative humidity of 60~85%. The water quality of EG Water technology has been certified globally as per World Health Organisation norms.



Water Station



Single machine module

> Water Sustainability  
is about the future and  
quality of life in our  
communities - for us  
and for our grandchildren's  
children. And .... because  
we are all part of the  
planet earth,  
it is about our life and  
global survival.



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