Innovating
WATER SOLUTIONS
for a
SUSTAINABLE FUTURE
ecosoft
ECO SOLUTIONS FOR TOMORROW — TODAY™

water & ECOSOFTT

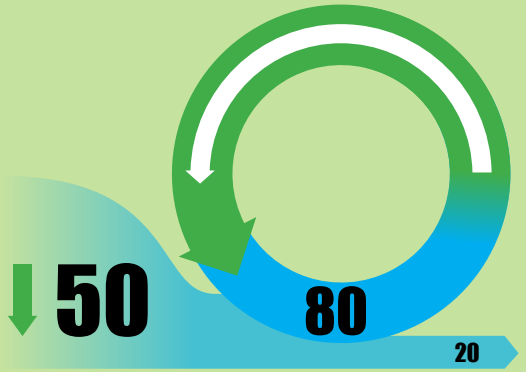
Fresh, potable water is a scarce and finite resource, with less than 0.007% of the total water available on our planet.

Water scarcity, shortage and quality are the biggest challenges we face as industrial, agricultural and domestic users. With failures and gaps in conventional solutions, we pioneer and innovate decentralized solutions for the integrated management of water and used water.

what we do as a COMPANY

Enabling you to manage water from **source to source at source**

Reduce water footprint and wastage by **50%**
Recycle and Reuse 80% of the treated water
Discharge surplus 20% to replenish sources



We can also help you achieve

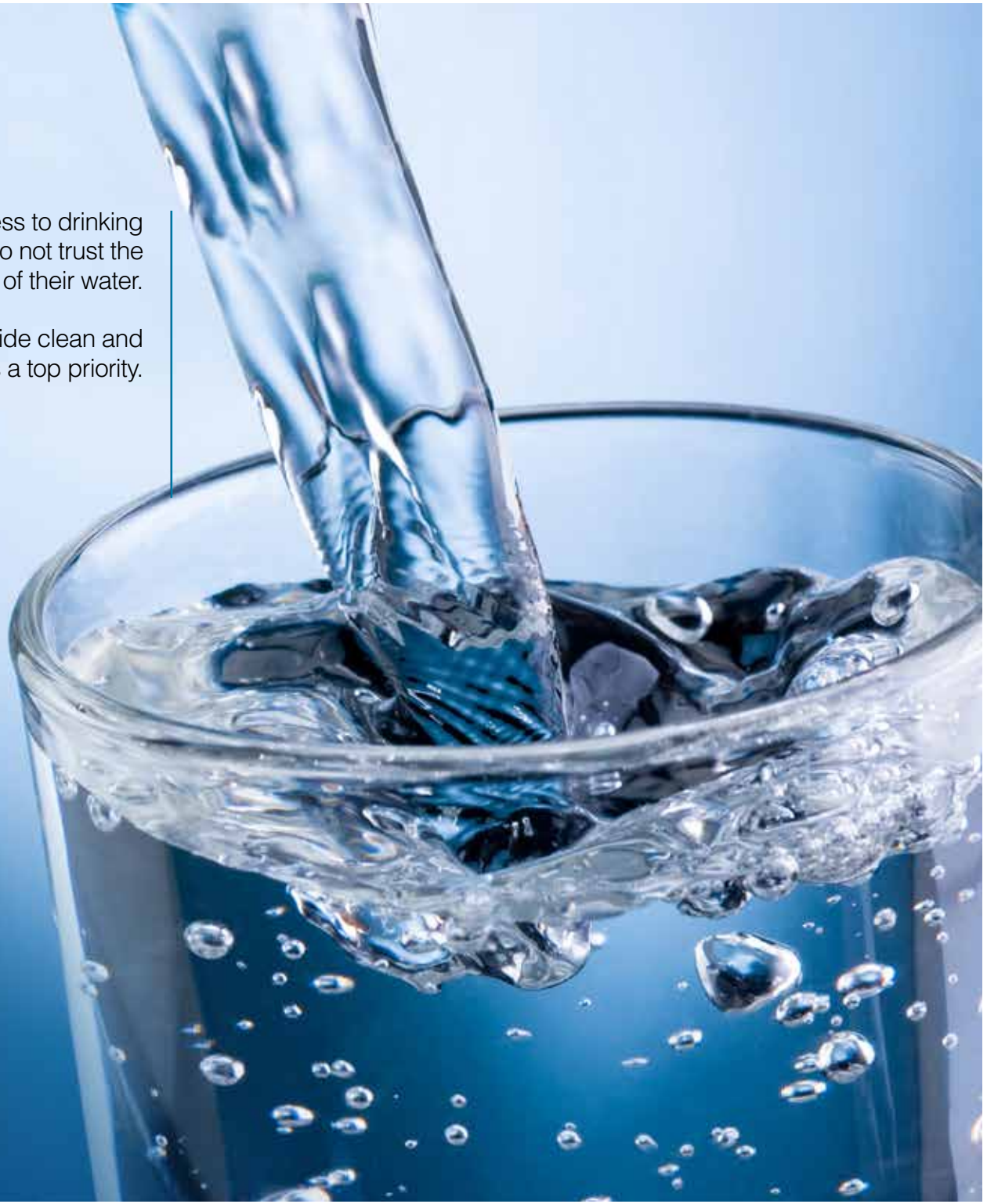
ZERO Discharge

NET ZERO

2.5 billion people do not have access to drinking water and another 2.5 billion people do not trust the quality of their water.

Managing water resources to help provide clean and safe drinking water for your wellness is a top priority.

drinking WATER



drinking

WATER

We make **your drinking water 100% safe** from any source.

Delivering
potable water
from any source

Removing
contaminants
(e.g., arsenic, fluoride, iron)

Ensuring water
quality
and wellness

Used Water RECOVERY & REUSE

Less than 5% of our daily water footprint is for potable uses, and the remaining **95%** is for non potable purposes.

Depletion and contamination of sources mean less fresh water available for use.

Used water can be treated to the highest quality for full reuse for non-potable purposes and replenishment of sources.

Used Water

RECOVERY & REUSE

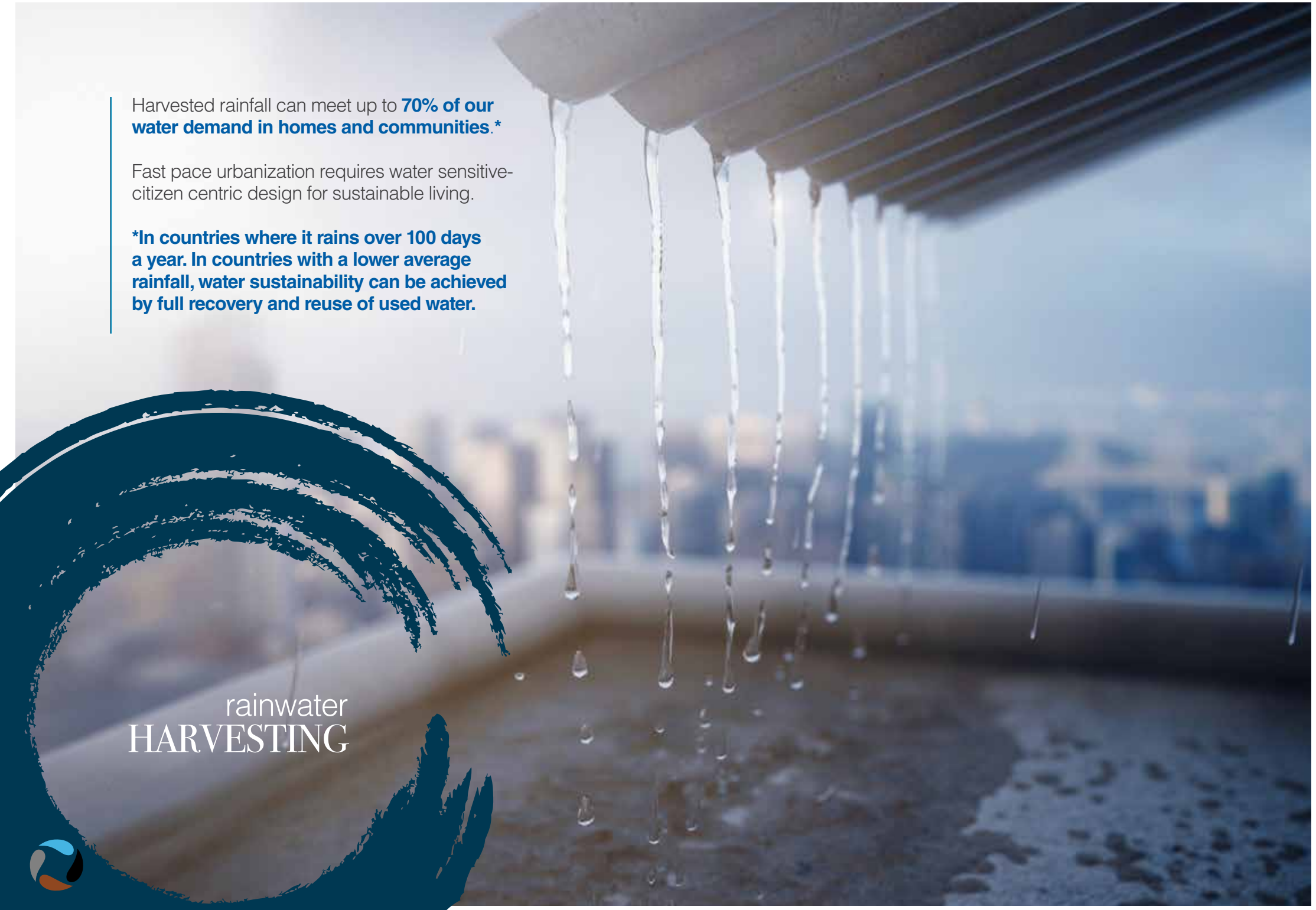
Used water can be recycled along with **Sludge Management and Resource Recovery**. It is our responsibility to use every drop of water more than once and **discharge after necessary treatment.**

Poseidon™

Mizuchi™

Terra™

Triton™



Harvested rainfall can meet up to **70% of our water demand in homes and communities**.*

Fast pace urbanization requires water sensitive-citizen centric design for sustainable living.

***In countries where it rains over 100 days a year. In countries with a lower average rainfall, water sustainability can be achieved by full recovery and reuse of used water.**

rainwater HARVESTING

rainwater

HARVESTING

Our **uniquely integrated design** makes it possible to **collect, store, use and recharge water.**

specialized APPLICATIONS

We draw from **scarce resources and limited supplies of fresh water** for many applications that are non-potable in nature.

Why **deplete our limited resources** when we can **fully recover, treat and reuse?**

We help **reduce your virtual water footprint.**

specialized

APPLICATIONS

We help you **play a part** in **conserving and saving water** in a SMART way.

Car wash

Laundry

Swimming pools and recreation

Water features (e.g., fountains & irrigation systems)

SERVICES

Managing water and its related ecosystems is **complex and multifaceted.**

Through smart services, you can protect our water sources, while reducing your **water footprint and wastage.**

Water security can be achieved through **decentralized and integrated solutions.**

SERVICES

We offer you **water smart services** by working together to unlock insights and opportunities for **today and tomorrow.**

water audits and
water balance

detailed
project reports

operation &
maintenance

Excessive use of chemicals is **adversely affecting our environment and water systems.**

Ecosenses offers a **socially and environmentally sustainable solution for various applications.**

Tackling the **global problem of waste management** by recycling food waste into environmentally friendly products.

Made from **plant and fruit based enzymes**, safe for you and the environment.

Creating partnerships with a purpose to engage various stakeholders and communities for a better world.

TRANSFORMING

waste to resource

ecosenses

Solutions for your Wellness

soul

solutions for
UNDERPRIVILEGED LIVES

3.5 billion people lack access to water and sanitation.

Failure of conventional programs and approaches further **exacerbates the problem.**

Our unique approach to addressing water, sanitation and livelihood improvement in an **integrated way** has the highest impact on marginalized and rural communities.

soul

solutions for

UNDERPRIVILEGED LIVES

Collaborating efforts, aligning resources and channelizing the power of **community-led transformations provide an attractive alternative with the highest impact.**

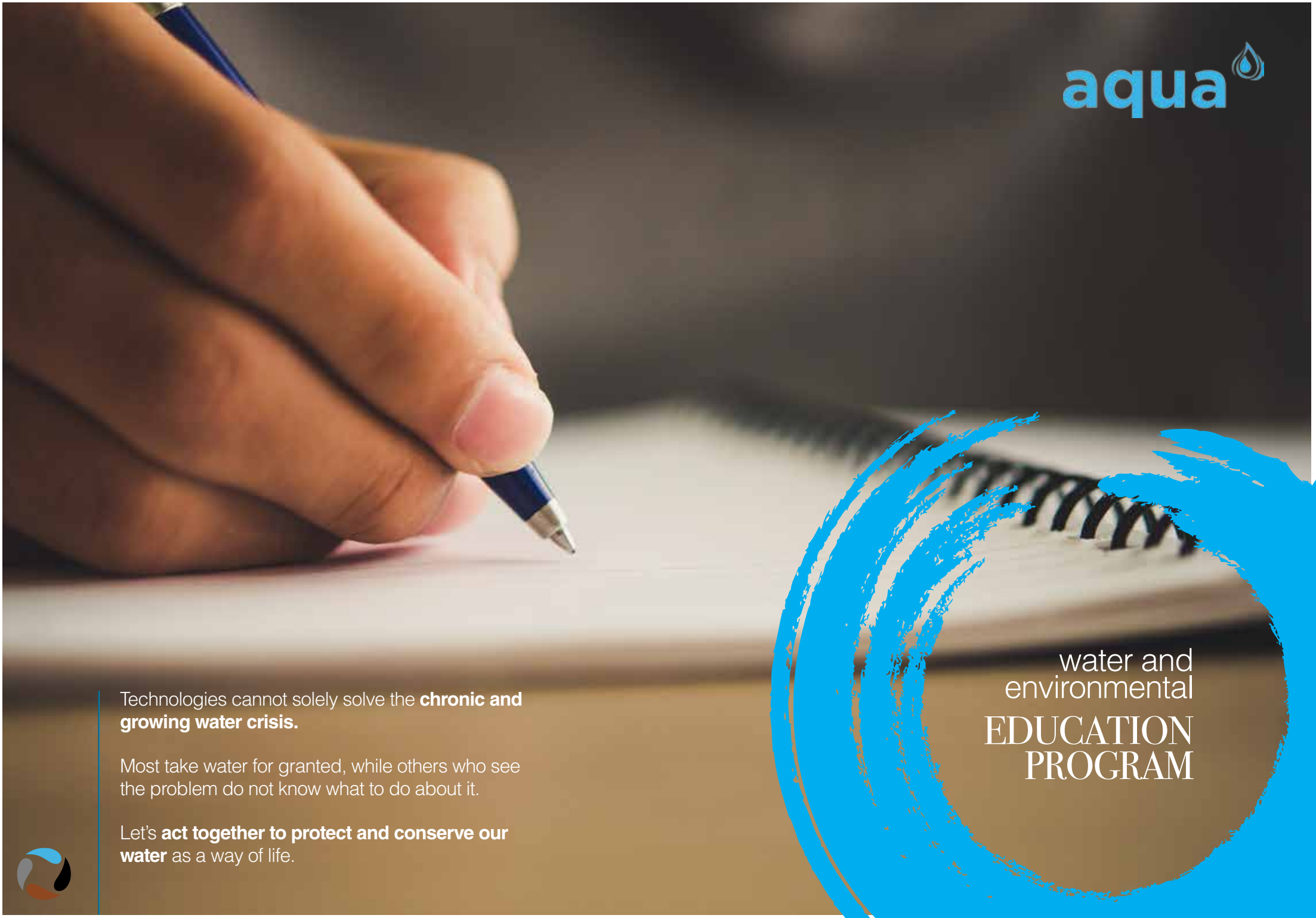
We do not force change, **we empower** them to be the change.

Access to
safe drinking water

Total
sanitation

Livelihood
improvement

Solid and liquid
waste management


aqua
water and
environmental
EDUCATION
PROGRAM
Technologies cannot solely solve the **chronic and growing water crisis.**
Most take water for granted, while others who see the problem do not know what to do about it.
Let's **act together to protect and conserve our water** as a way of life.

water and environmental

EDUCATION PROGRAM

We work with schools, **universities and corporates** to create **global ambassadors** who will play an active part in **water conservation and reduction of virtual water footprint.**

PROJECT EXAMPLES

Water SMART Blue Building

One of the most sustainable and water efficient commerical buildings globally.

On-site collection and treatment of mixed used water (25m^3/day) for reuse in toilet flushing and landscape irrigation.

Zero Discharge Sustainable School

Designated as a Forest School.

On-site collection and treatment of mixed used water (15m^3/day) for reuse in landscape irrigation and toilet flushing.

The system is also used as a part of AQUA Educational Program to educate the students about environmental conservation.

Sustainable Agri and Dairy Farm

Collection and treatment of effluent from dairy products production process (50 – 500m^3/day).

Treated water is reused for irrigation, water features and general cleaning.

PROJECT EXAMPLES

Water SMART Food Processing Factory

Leading manufacturer of premium packaged food.

Collection and treatment of combined used water (2,000m^3/day), comprising effluent from food production process, offices and staff quarters. Treated water is reused for landscaping, water features and general cleaning.

Technical Feasibility Studies

Completed comprehensive technical feasibility studies for the abatement of pollution and conservation of Robertson Lake, River Narmada and other surface water bodies. Also conducted Total Water Management Consultancy Studies for various SMART cities, urban development bodies and other organizations.

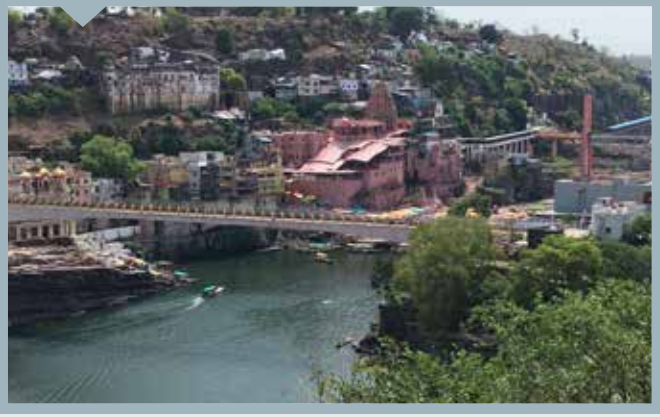
Zero Discharge Residential Estate

Recovery of mixed used water from all the household units for reuse in landscaping, toilet flushing and general cleaning. The system of 500-560m^3/day capacity is setup in the basement of the building.

This system along with rainwater harvesting has resulted in cutting dependence on municipal water by more than 70%.

PROJECT EXAMPLES

Rivers and Lakes Conservation



Restoration of the ecological health of River Narmada by placing 5 used water treatment plants (total capacity 2,500m^3/day) at the bank of the river to capture raw sewage and treat it before discharging into the river.

This project has positively impacted more than 500,000 people living by the river as well as the tourists who come to visit this religious city.

EcoFriendly Educational Campus

One of the most EcoFriendly Campuses.

On-site collection and treatment of mixed used water (100m^3/day) for reuse in landscape irrigation and ground water recharge.

Integration of used water along with rainwater & stormwater to achieve their vision.

Model Village For Water, Sanitation, Livelihood Improvement

Community Led Transformation Program with full ownership and accountability.

24 x 7 provision of drinking water along with dedicated toilet & bathing room for each family. Used water recovery to discharge used water safely and thus improving livelihood of the community.

PROJECT EXAMPLES

EcoFriendly and Green Hotel

Full recovery and treatment of used water (100m^3/day) for reuse in non-potable purposes such as gardening, landscaping, water features, road washing and general cleaning.

Water SMART Hotels & Resorts

On-site collection and treatment of mixed used water across multiple locations (ranging from 100-500m^3/day capacity) for reuse in landscape irrigation and other non-potable applications.

Zero Discharge Hospital

Recovery of used water (200-250 m^3/day) and rainwater for reuse in gardening, landscaping, water features, road washing, green belt development, fire hydrant system and development of a water cover.

PROJECT EXAMPLES

Water Efficient & Sustainable Hospital

Recovery and treatment of used water (150m³/day) from the hospital for reuse and to meet discharge standards for surplus water.

The ultra compact system is installed in the back up generator room.

Car Wash Recovery & Reuse

Full recovery of used water from various car wash systems for reuse in car wash and other non-potable applications such as toilet flushing among other areas.

Net-Zero Discharge Hospital

On-site collection of laundry and greywater (100m³/day) for recycling, reuse and to meet discharge standards.

PROJECT EXAMPLES

Sustainable SMART City

Laying of 11km of sewage network and pipelines, connection of homes and mixed habitats/living communities to the sewer network and setup of 1000m^3/day capacity decentralized treatment for recovery and reuse.

Water Efficient Old Age Home & Health Care Center

Recovery of used water(100m^3/day) and integration of rainwater harvesting (500m^3/day) with it for reuse in non-potable purposes on campus such as gardening, growing food and vegetables, car washing, road cleaning and laundry.

Drinking Water Solution

Total solutions for drinking water supply (150-200m^3/day) to premium residential apartments using ground and river water.

PROJECT EXAMPLES

Water SMART Educational Campus

Centre of excellence for innovation in sustainable design and development.

On-site collection and treatment of mixed used water (150m^3/day) for reuse in landscape irrigation and ground water recharge.

The system is also used by the engineering faculty as a part of AQUA Educational Program.

Sustainable Commercial Mall

Recovery and treatment of all used water (120m^3/day) from the commercial mall for reuse and to meet discharge standards for surplus water.

The ultra compact system is installed in the basement car park.

Water Efficient Model School

Total transformation of the local government school in collaboration with international corporate sponsors.

Provision of Drinking Water Supply System, Toilets & Bathing Rooms and Solid & Liquid Waste management.

400 Students & Community Engagement.

PROJECT EXAMPLES

SMART Drainage Network

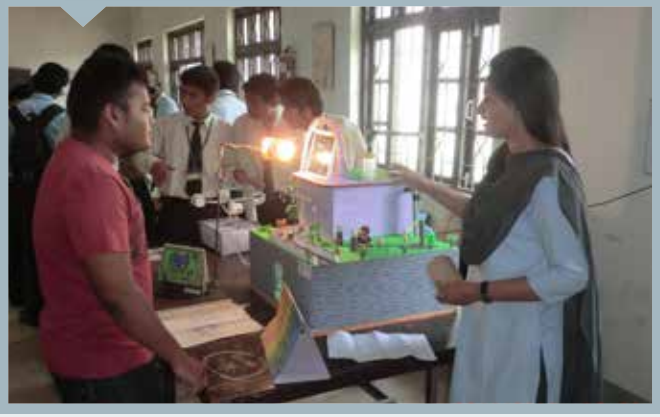
Connection of homes and mixed habitats/ living communities to the sewer network and setup of decentralized treatment system (250m^3/day) for recovery, reuse and conservation of adjoining water bodies.

Water SMART Commercial Mixed Development

Recovery and treatment of all used water (260-300m^3/day) from the campus for reuse.

The ultra compact system is installed in the garden area which is connected to the septic tank

Technology and Social Innovation Festival



The AQUA Education Program has covered over 50,000 students from schools, colleges and corporates to culminate into a Techfest – ANKURAN where students collaborate across multi-disciplines to design and execute solutions related to water, used water, rainwater, solid waste and solutions for the benefit of SMART Cities.

OUR VISION AND IMPACT BY 2050

1 trillion

litres of **used water treated per day**

1,000

rivers, lakes and water bodies **restored and protected for future generations**

1 million

entrepreneurs for **water, used water and environmental services**

10,000

community-led transformation programmes for **water, sanitation and livelihoods**

10 million

students and professionals engaged **across the world**

AWARDS AND RECOGNITIONS

ECOSOFTT has been recognised with a **number of Singapore and international awards and endoresements**, which validates the **innovativeness of its concepts, technologies and business model**.

Fuller Challenge, Socially Responsible Design's Highest Award 2014
Global Top 20

Autodesk, Inc.
Cleantech Partner

World CSR Congress 2014
Global Green Future Leadership Award

Golden Globe Tigers Award, 2015
Best Startup Social Enterprise Excellence & Leadership in Water maangement

SID Annual Conference 2014
Best Social Enterprise (voted by 400 corporate leaders)

AWARDS AND RECOGNITIONS

Singapore Internation Water Week Convention 2016
ECOSOFTT “Blue Building“ Paper Selected for Presentation

World Water Leadership Award 2015
Stanley Samuel: Global Top 50 Talent in Water Management

EY Accelerating Entrepreneuars Programme 2016
Winner

Unreasonable Impact, created by Barclays, 2017
Selected as among impactful, high-growth enterprises that will create the jobs of tomorrow

“These projects deserve the attention of the world for their commitment to ‘solving for system‘ - **an approach that takes an unusual degree of insight, patience, tenacity and courage**“

ECO SOLUTIONS FOR TOMORROW — TODAY™

Global Head Office & Innovation Centre

Block 73 Ayer Rajah Crescent
#03-10, Singapore 139952
T: +65 6908 5698

Malaysia | Greater China | India | Vietnam | Myanmar | The Philippines | Chile

Total Water Solutions Company for water conservation through decentralized and integrated management of water, used water and environmental servies

https://www.facebook.com/ecosoftt.ecosolutions.for.tomorrow.today

www.ecosoftt.org

ECOSOFTT PTE LTD. All Rights Reserved 2017