IMAGINE H_2O // ASIA

ADB ASIAN DEVELOPMENT BANK

RURAL WATER INNOVATION SHOWCASE

@ ADB E-MARKETPLACE

MARCH 18TH 1130AM SGT

AquAffirm

drinkwell

smartterra

LIQUINEX

PROGRAM PARTNERS

Enterprise Singapore

SUEZ

ADB Ventures

PUB SINGAPORE'S NATIONAL WATER AGENCY

SWA SINGAPORE WATER ASSOCIATION

TODAY'S SESSION

1. ABOUT IMAGINE H2O ASIA

2. FOUR STARTUP PITCHES + Q&A

- AQUAFFIRM
- DRINKWELL
- SMARTTERRA
- LIQUINEX

IH2O Asia Demo Day 2019, Singapore

SOLVING WATER WILL REQUIRE IMAGINATION

Our mission is to empower people to develop and deploy innovation to solve water challenges globally

150+ STARTUPS SINCE 2009

500+ APPLICANTS ANNUALLY

OUR ENTREPRENEURS ARE TACKLING ISSUES ACROSS SDG 6

Indra (UWC '19)

ACCESS

- » WATER QUALITY TESTING & DETECTION
- » ENVIRONMENTAL REMEDIATION
- » WASTEWATER TREATMENT & REUSE

EFFICIENCY

- » NETWORK MANAGEMENT & LEAK DETECTION
- » AGRICULTURAL TECHNOLOGY
- » WATER-ENERGY NEXUS

SAFETY

- » DRINKING WATER TREATMENT & DELIVERY
- » DIGITAL SOLUTIONS
- » STORMWATER & FLOOD CONTROL

OUR ACCELERATOR PROGRAMS HELP STARTUPS CREATE A PATH TO MARKET

STARTUP MENTORSHIP

Virtual accelerator programs and in-person water startup bootcamps

INDUSTRY VISIBILITY

Global showcase events and marketing support

INVESTOR & CUSTOMER INTRODUCTIONS

Direct introductions to a global partner network

PILOT FUNDING & IN-COUNTRY SUPPORT

Targeted awards to co-fund high-impact pilot projects

SENTRY (IH2O '18, IH2O Asia '20)

A TRACK RECORD THAT EXTENDS TO SOUTH & SOUTHEAST ASIA

SINCE 2009

deployed **100+ solutions** in **50+ countries**

provided **$1 million+** in award funding to scale solutions

helped alumni raise **$550 million+** in early-stage investment

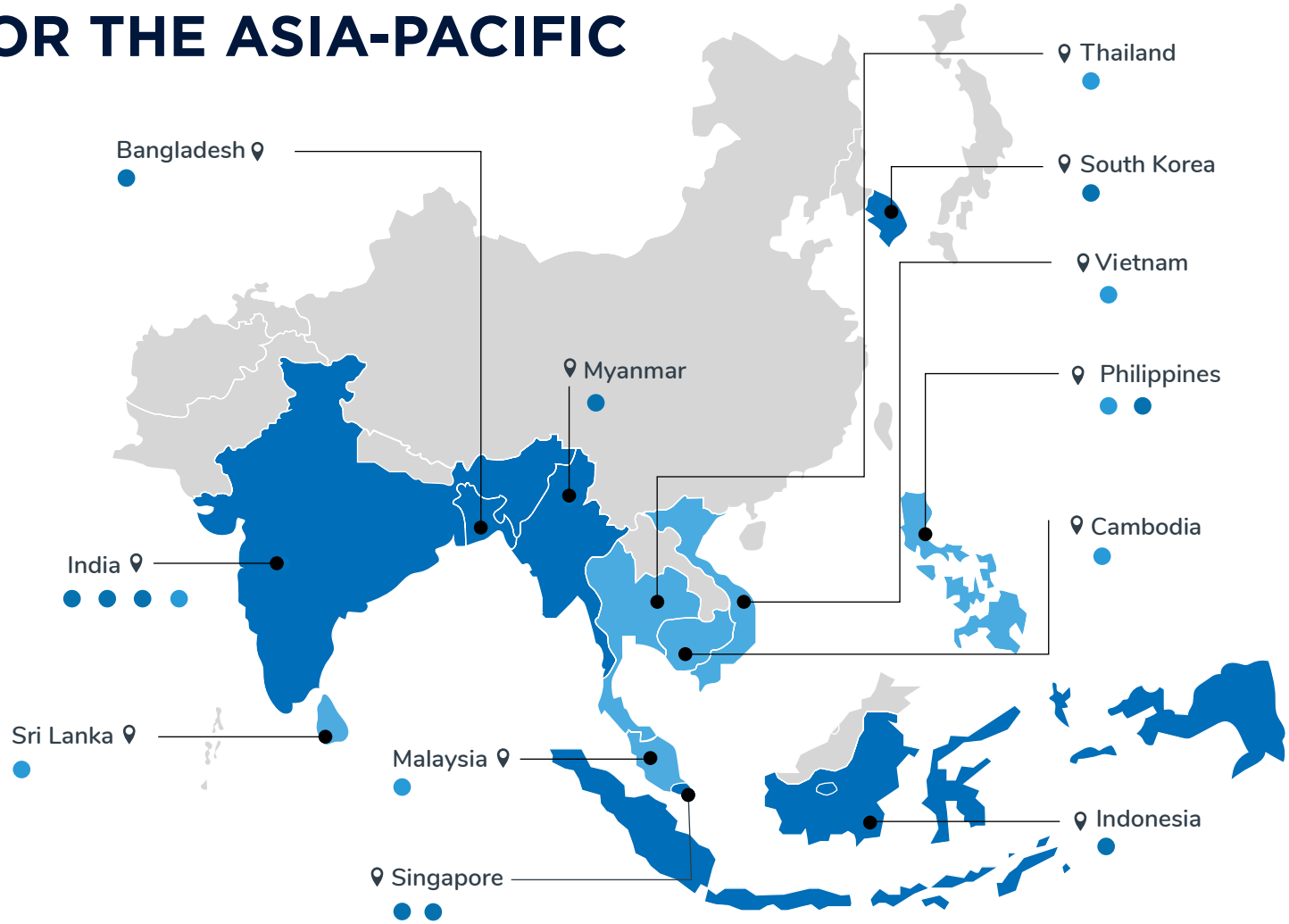
created customer network of **70+** end-users

launched **Imagine H2O Asia** as Asia-Pacific hub

SpaceAge Labs & Environsens (IH2O Asia '19)

A CUSTOMER VALIDATION PLATFORM FOR THE ASIA-PACIFIC

- Active Deployments
- Active Customer Discussions with IH2O Asia Partners



THE ECOSYSTEM PARTNERS NETWORK

A COMMUNITY OF END-USERS COMMITTED TO WATER INNOVATION

SELECT ECOSYSTEM PARTNERS

OTHER GLOBAL CUSTOMER PARTNERS

ENGAGE OUR INNOVATORS & PARTNER WITH US

SWITCH Singapore 2019

PARTNER BENEFITS

TECH INSIGHTS, ACCESS & LEARNING

Receive early access to startup applicants, innovation insights and promote learning among members

INNOVATION PROJECTS

Receive ongoing introductions to relevant solutions for pilot and commercial opportunities

INDUSTRY COLLABORATION & VISIBILITY

Advance organization's innovation leadership profile globally and unlock new partnership/ networking opportunities

ECOSYSTEM BUILDING

Foster the development of local entrepreneurial ecosystems across the region

INTRODUCING TODAY'S SPEAKERS

David Sarphie
CEO

AquAffirm

Giridharan Sengaiah
VP of Product

SMARTTERRA

Minhaj Chowdhury
CEO

drinkwell

Bashir Ahmad
CEO

LIQUINEX

IMPROVING WATER QUALITY TESTING THROUGH REAL-TIME DETECTION OF ARSENIC AND FLUORIDE

DAVID SARPHIE

CEO

AquAffirm

SENSOR & DIAGNOSTICS

AquAffirm

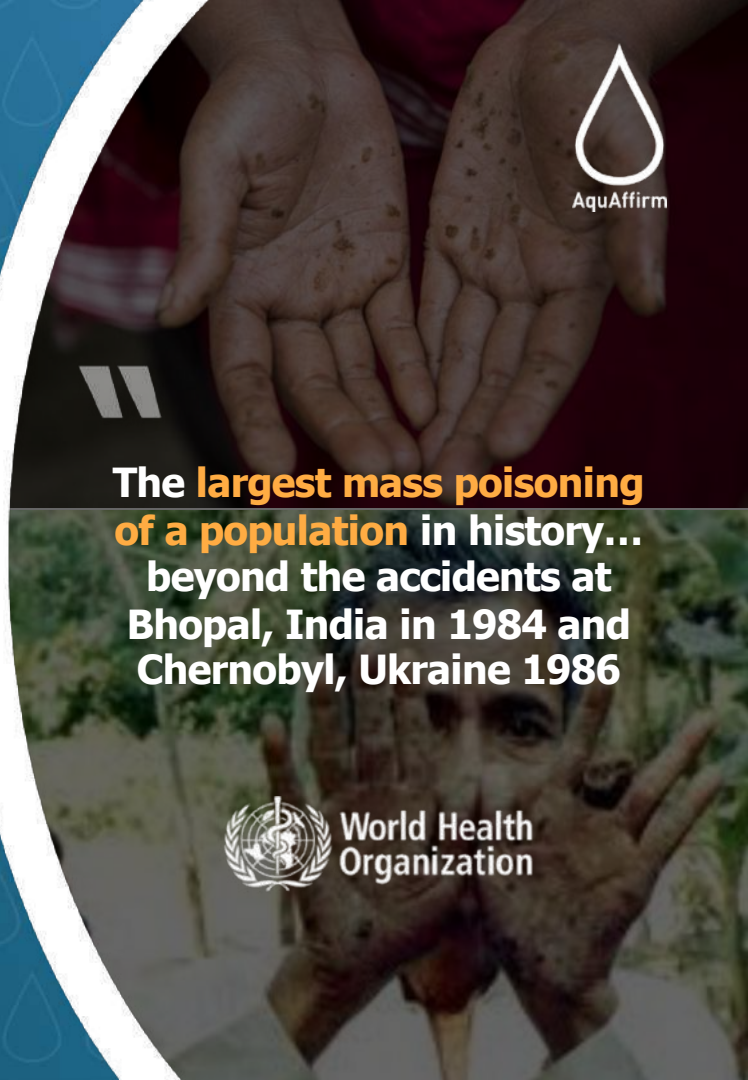
AQUAFFIRM

Dr David Sarphie, CEO

March 2021

ARSENIC CONTAMINATION: A GLOBAL TRAGEDY THAT REMAINS UNRESOLVED

- Chronic exposure causes skin lesions, cancers & death
- Arsenic kills over 45k Bangladeshis each year, affects millions more
- Lack of visibility into full scope of contamination



UNCHECKED GROUNDWATER USE POSES NEW CONTAMINATION RISKS IN SOUTHEAST ASIA

>50MLN
in Bangladesh

3.75 – 7MLN
in Vietnam
Red River delta

>3.4 MLN
in Myanmar
Irrawaddy delta

320 000
in Cambodia
Mekong delta

ARSENIC MITIGATION HAMPERED BY INADEQUATE TESTING ALTERNATIVES

HACH MERCK Palintest Water Analysis Technologies

- Complex
- Poor accuracy
- Slow
- No digital sensors
- No web connectivity

AQUAFFIRM-AS™: RAPID DIGITAL TEST FOR ARSENIC

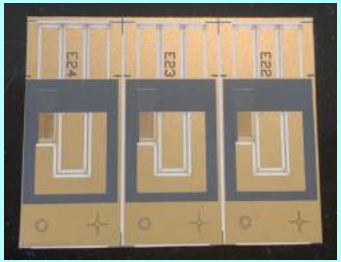
A patented test strip-based biosensor using proprietary enzyme

RAPID
Results in 3 min

EASY-TO-USE
Little training /
No on-site supervision

WEB-ENABLED
Instant data upload

AquAffirm



OUR PROPRIETARY AQUAFORM™ SOFTWARE PLATFORM UNDERPINS THE SENSORS

AquAffirm

- Acts as backbone for system
- Mapping & optimisation
- Results validated in Brazil
- Real-time mapping and data analysis will transform arsenic mitigation in SE Asia

CASE STUDY: BANGLADESH

Initial field trials conducted in Haizadi & Araihazar in 2019

- Tested arsenic contaminated wells with support of local community leaders
- Demonstrated clear benefits (time, usability, precision) over incumbent tests
- Discussed future collaborations with UNICEF (Dhaka WaSH team)
- Recorded & filmed by BBC for podcast & short documentary

Validation trials underway now

INITIAL MARKET OPPORTUNITY: BANGLADESH / VIETNAM

This has immediate commercial applications:

BANGLADESH

FOUNDATION-SUPPORTED

Tube well test program
10M wells

VIETNAM

B2B SALES: PARTNERS

Partner with solutions providers
Clients:
- Beverage industry
- Test labs

AQUAFFIRM TEAM

Multidisciplinary team that has built this technology

AquAffirm

DR DAVID SARPHIE
CEO

PowderJect

PROF JOHN WOOD CBE, FRENG
Chairman

CERN

DR ROB MERRIFIELD
Dir. of S/W Dev

Imperial College London

PROF GABRIEL AEPPLI FRS, NAS
Non-Exec Dir

IBM NEC

PROF TONY CASS FRSC
Non-Exec Director

Imperial College London

HOW CAN AQUAFFIRM WORK WITH YOU?

AquAffirm

Facilitate introductions to distributors, esp. in Vietnam

Looking to partner with institutions for R&D / pilot projects

Support consultancy projects to demonstrate technology in the field

AquAffirm

DR DAVID SARPHIE, CEO

david.sarphie@aquaffirm.com

www.aquaffirm.com

IMAGINE H_2O // ASIA

PROVIDING SAFE DRINKING WATER TO LOW-INCOME COMMUNITIES VIA PATENTED RESIN-BASED NANOTECHNOLOGY

MINHAJ CHOWDHURY

CEO

drinkwell

DRINKING WATER

SENSOR & DIAGNOSTICS | WATER & WATERWATER TREATMENT & REUSE | SMART NETWORK MANAGEMENT | SATELLITE IMAGERY & ANALYTICS | DRINKING WATER


drinkwell
Impacting 504,000 lives across Bangladesh & India
Minhaj Chowdhury
Co-Founder/CEO
minhaj@drinkwell.com
Hosted by:


পানি
চাই
পানি

Drinkwell operates & maintains Water Infrastructure “as a Service”

BEFORE

AFTER

”Build, Decay, Rebuild”	Capex Financing	Cost Share with Service Provider
Tk 1.0	Price Per Liter	Tk 0.4
30-50%	System Loss	1%
✖	Water Quality	WHO/National Standards
Uncertain	Availability	6a – 10p

minhaj@drinkwell.com

Drinkwell's patented HIX-Nano technology removes heavy metals while recovering 90% of water

20%

Lower lifecycle cost vs. Reverse Osmosis*

90%

Water Recovery vs. 40-50% for Reverse Osmosis

6x

6x lower energy costs vs. Reverse Osmosis translating to high reliability in rural areas with power outages

Simple

Simple operation by local unskilled labor with low service requirement vs. complex operation requiring continuous skilled labor

5 - 10 year

lifetime*, via periodic regeneration every 6 months to 1 yr, vs. only 1 yr for competing one time use resins

8.5x

Longer runtime per cycle (each batch of resin lasts for 5 cycles) vs. alum-based resins that must be thrown away after only 1-2 cycles

* For a 1,000 Liter Per Hour System in instances where TDS is below 1,200 ppm

Drinkwell has executed 412 deployments delivering safe water to 504k people via 41 partners across Bangladesh & India.

Products

HIX-Nano Resins

Drinkwell's patented line of HIX-Nano resins treat groundwater[1] at ~8% lower upfront cost and ~17% lower annual operating cost[2] compared to conventional Reverse Osmosis while recovering 90%+ of input water (versus 30-60% for Reverse Osmosis).

- Arsenic Removal
- Fluoride Removal
- Iron Removal
- Salinity Removal

+

Services

Turnkey Services

Drinkwell goes beyond supplying water filtration resins and delivers end-to-end solutions inclusive of water filtration system design, build, operate, and maintain services that enable safe water providers to offer a turnkey solution to end users who lack access to piped drinking water while providing real-time transparency on water system performance.

- Design
- Build
- Operate
- Maintain
- Payments
- Marketing
- Analytics
- Google Sheets

Solutions

6	206	199	1
			
Piped Water Systems (50,000 – 190,000 Liters Per Hour)	Urban Community Water Systems (3,000 – 6,000 Liters Per Hour)	Rural Community Water Systems (1,000 – 2,000 Liters Per Hour)	Domestic Water Filters (40 Liters Per Hour)

412 Deployments

Stakeholder Breakdown

- **5** Engineering, Procurement and Construction (EPC) Firms
- **8** Government Agencies
- **13** NGOs
- **15** Foundations

41 Partners

Business Lines

Resin Sales | Turnkey Setup | Operation & Maintenance

drinkwell

Drinkwell has executed 412 deployments delivering safe water to 504k people via 41 partners across Bangladesh & India.

Selected Customers (India & Bangladesh)

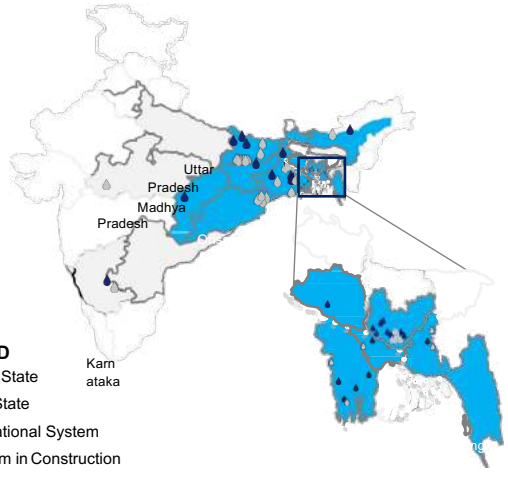
TATA TRUSTS

Dhaka Water Supply & Sewerage Authority

PHED

Department of Science & Technology, Government of India

CLINTON HEALTH ACCESS INITIATIVE



USAID

brac

WASA

Order Growth

Bihar PHED (India): 1→90

Assam PHED (India): 1→175

Dhaka WASA (Bangladesh): 1→300

Drinkwell has a 4-stage operating model

Design

- Water Testing
- PPP Contract

Build

- 3 - 93 m^3/hr capacity
- Patented resins

Operate

- 40-60 paisa per liter
- Onsite Registration

Maintain

- Control Room
- Onsite Servicing

drinkwell

West Bengal PHED Case Study: Bazitpur –AIRP, N 24 Parganas

Capacity – 91.5 m³/hr
Execution – RiteWater
HIX- Nano Technology
Technology provider – Drinkwell

January 2018

TEST REPORT

SAMPLE SUBMITTED BY PARTY :

No. W(S)17-18/1668 — Date : February 07, 2018 — Page 1 of 1

Issued to : M/S. RITE WATER SOLUTIONS INDIA PVT. LTD.
206, Picnic Garden Road, P.S. Kasba, Kolkata - 700039
Your Ref No. : E-mail letter dtd. 30.01.2018
Sample Description : Drinking Water
Mark on Sample : Treated Water collected from Bajitpur Zone - I
Sample Received On : 30.01.2018
Analysis Completed on : 03.02.2018

Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.) Acceptable Limit	Permissible Limit
1	Turbidity	IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	< 1	1.0 Max.	5.0 Max.
2	pH value	IS: 3025 (Part-11): 1983 Reaffirmed 2012	—	7.4	6.5 - 8.5	No Relaxation
3	Alkalinity as $CaCO_3$	IS: 3025 (Part-23) - 1986 Reaffirmed 2009	mg/l	448	200 Max.	600 Max.
4	Iron as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/l	< 0.1	0.30 Max.	No Relaxation
5	Arsenic as As	IS: 3025 (Part-37): 1988 Reaffirmed 2009	mg/l	< 0.002	0.01 Max.	0.05 Max.
6	Conductivity at 25°C	IS: 3025 (Part-14): 2013 Reaffirmed 2006	µS/cm	1897	—	—
7	Calcium Hardness as $CaCO_3$	IS: 3025 (Part-40) - 1991	mg/l	162.0	—	—

Minimum detection limit : (i) Iron : 0.1mg/l (ii) Arsenic : 0.002mg/l
Remarks on Test Report :
(i) The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters
(ii) Alkalinity is beyond the acceptable limit but within the permissible limit

Treated Water As<10 ppb

July 2018

R. V. BRIGGS & CO. PRIVATE LTD.
ANALYTICAL CONSULTING & TECHNICAL CHEMISTS
ESTABLISHED IN 1900
TAHER MANSION, 1ST FLOOR
9, BENTINCK STREET, KOLKATA - 700 001
Ph. : 2248-3661/2698/7803, 2262-4153/4154, Fax : 33 2248-0447
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TEST REPORT

SAMPLE SUBMITTED BY PARTY :

No. W(S)18-19/835 (Chem.) — Date : August 04, 2018 — Page 1 of 1

Issued to : M/S. RITE WATER SOLUTIONS INDIA PVT. LTD.
206, Picnic Garden Road, P.S. Kasba, Kolkata - 700039
Your Ref. : Sample Order Receipt No. RVB/FM/50 Sl. No. 4307 dtd. 28.07.2018
Sample Description : Drinking Water
Mark on Sample : Raw Water collected from Bajitpur Zone - 1 on dtd. 27.07.2018
Sample Received On : 28.07.2018
Analysis Completed on : 31.07.2018

Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.) Acceptable Limit	Permissible Limit
1	Turbidity	IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	33.4	1.0 Max.	5.0 Max.
2	pH value	IS: 3025 (Part-11): 1983 Reaffirmed 2012	—	7.2	6.5 - 8.5	No Relaxation
3	Alkalinity as $CaCO_3$	IS: 3025 (Part-23) - 1986 Reaffirmed 2009	mg/l	426	200 Max.	600 Max.
4	Iron as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/l	3.21	0.30 Max.	No Relaxation
5	Arsenic as As	IS: 3025 (Part-37): 1988 Reaffirmed 2009	mg/l	0.063	0.01 Max.	0.05 Max.
6	Conductivity at 25°C	IS: 3025 (Part-14): 2013 Reaffirmed 2006	µS/cm	1826	—	—
7	Calcium Hardness as $CaCO_3$	IS: 3025 (Part-40) - 1991	mg/l	340.0	—	—

Raw Water As-63 ppb

R. V. BRIGGS & CO. PRIVATE LTD.
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E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com
CIN : U51109WB1931PTC007007

TEST REPORT

SAMPLE SUBMITTED BY PARTY :

No. W(S)18-19/834 (Chem.) — Date : August 04, 2018 — Page 1 of 1

Issued to : M/S. RITE WATER SOLUTIONS INDIA PVT. LTD.
206, Picnic Garden Road, P.S. Kasba, Kolkata - 700039
Your Ref. : Sample Order Receipt No. RVB/FM/50 Sl. No. 4307 dtd. 28.07.2018
Sample Description : Drinking Water
Mark on Sample : Treated Water collected from Bajitpur Zone - 1 on dtd. 27.07.2018
Sample Received On : 28.07.2018
Analysis Completed on : 31.07.2018

Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.) Acceptable Limit	Permissible Limit
1	Turbidity	IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	1.0	1.0 Max.	5.0 Max.
2	pH value	IS: 3025 (Part-11): 1983 Reaffirmed 2012	—	7.4	6.5 - 8.5	No Relaxation
3	Alkalinity as $CaCO_3$	IS: 3025 (Part-23) - 1986 Reaffirmed 2009	mg/l	426	200 Max.	600 Max.
4	Iron as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/l	< 0.1	0.30 Max.	No Relaxation
5	Arsenic as As	IS: 3025 (Part-37): 1988 Reaffirmed 2009	mg/l	< 0.002	0.01 Max.	0.05 Max.
6	Conductivity at 25°C	IS: 3025 (Part-14): 2013 Reaffirmed 2006	µS/cm	1824	—	—
7	Calcium Hardness as $CaCO_3$	IS: 3025 (Part-40) - 1991	mg/l	330.0	—	—

Minimum detection limit : (i Iron : 0.1mg/l (ii) Arsenic : 0.002mg/l

Treated Water As<10 ppb

*** It is noted that this plant passed through all evaluation tests independently done by PHE/ ATF**

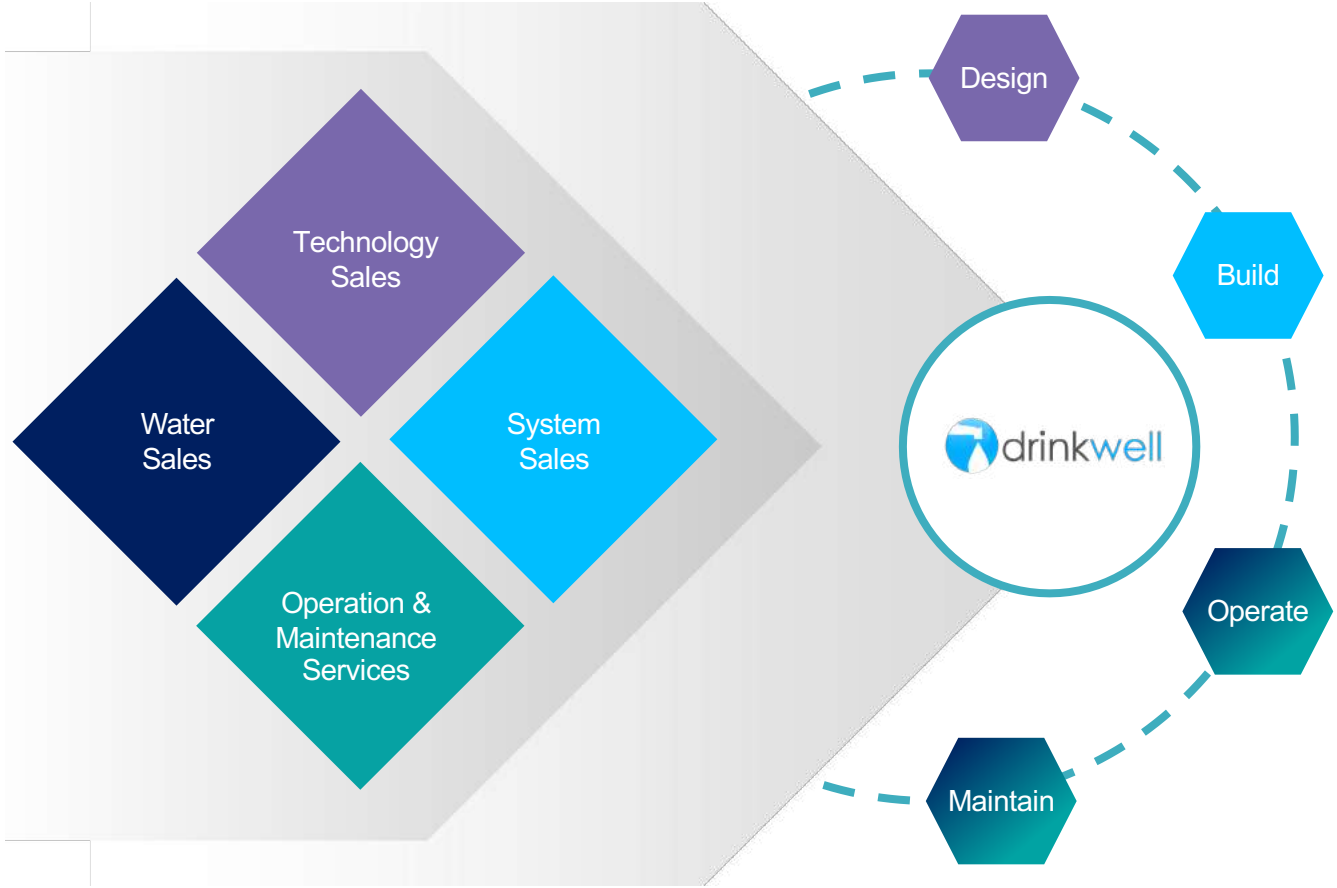
West Bengal Community System Case Study: Gaighata Panchayat Samiti – Water ATM

Drinkwell AIRP – Water ATM (Jan 2018)

Location	**Gaighata Panchayat Samiti/ Office of BDO**
Inauguration	**January 2018**
Capex provider	**Gaighata Panchayat Samiti**
Plant Capacity	**5000 LPD**
Operating Partner	**Self-help Group**
TW quality	**As – 0.002 ppm, Iron < 0.1ppm**
Daily Average sale	**2500 L**
Features	**ATM dispensing system**

*** Following successful run of AIRP- Water ATM in Gaighata BDO, 5 more orders for similar unit in Gaighata Pachayat samiti & 2 orders in Krishnanagar Pachayat Samiti have been awarded to DRINKWELL**

Drinkwell's end-to-end water solutions ensures full accountability through the project lifecycle



Engineering, Procurement and Construction (EPC) Firms

NGOs

Foundations

Government Agencies

MANAGING NON-REVENUE WATER BY REDUCING APPARENT AND REAL LOSSES

GIRIDHARAN SENGAIAH

VP, PRODUCT

SMARTTERRA


SMARTTERRA
AI FOR WATER UTILITIES
REDUCE REAL AND APPARENT LOSSES

Challenges in rural water supply

Current trends in rural water supply (SA & SEA)

1. Transition to piped water supply to households
2. Transition to large multi village water supply schemes
3. Smart Water Management (STWM) systems

What are the challenges?

- Large networks with geographically dispersed customers
  - Difficult to manually locate sources of water loss
  - Response time to complaints/ loss events is longer
- Lack of water management expertise at village level

Our value proposition

Augment rural operator’s capability to reduce water losses

By providing AI powered analytic tools, that

- Use data already collected by utilities
- Are affordable with no additional capex
- Are cloud-hosted and easy to deploy/ scale
- Provide task management and workflow integrations

MeterCity

Reduce water loss at connection

- Analyse consumption patterns
- Forecast water demand
- Identify faulty meters

NetCity

Reduce water loss at supply network

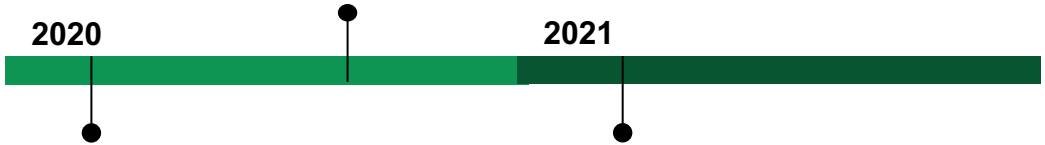
- Assess pipe network condition
- Monitor supply operations
- Identify leaky/ vulnerable pipes

Our traction

Rural water supply pilots in Cambodia

30k Customer connections

5 Rural water utilities



MeterCity pilot with SUEZ in Bengaluru

90K Customer connections in 43 DMAs analyzed. 10% of the city.

3.25% Potential annual reduction in NRW and revenue increase

Ongoing pilot with SJWSC in the Philippines

15K Customer connections in 3 zones

LoI signed with KUIDFC in Karnataka

13K Customer connections in Hubballi Dharwad

Contract discussion with Suez for NetCity pilot

120K Customer connections in Coimbatore, India

SMARTTERRA

Team SmartTerra

Incubated by

IMAGINE H2O ASIA ACCELERATOR 2020

t-hub

GOKUL K GOVINDU

CEO

Ex: Apple & Nvidia.
Computer Engineer from NIT-K & USC, Los Angeles.

NAVANEETHAN S

VP, DATA SCIENCE

Ex: Machine Learning Lead at Freshworks
MS, Johns Hopkins University
BS, University of Illinois, UC

GIRIDHARAN SENGAIAH

VP, PRODUCT

Ex: Manager, PwC, Urban Utilities and Governance
MPA, NUS Singapore
BTech, Anna University

SUDHIR BARU

VP, ENGINEERING

Ex: IIoT Backend Software Lead at Lantronics.
BTech, BITS-Pilani (GC)

ANAND JALAKAM

Stategic Advisor

Founder, Jalakam Solutions, 28 years in water hydraulics, utility design & operations

IMAGINE H_2O // ASIA

ENSURING ACCESS TO SAFE DRINKING WATER IN REMOTE COMMUNITIES VIA COMPACT TREATMENT SYSTEM

BASHIR AHMAD

CEO

LIQUINEX

LIQUINEX

CLEAN WATER ANYWHERE FROM A SUITCASE

www.liquinex.com

5 Soon Lee St, #03-42
Pioneer Point, Singapore 627607

GLOBALLY, COMMUNITIES ARE FACING AN UNPRECEDENTED RISE IN EXTREME WEATHER AND CLIMATE-RELATED EVENTS

Water-related disasters make up a majority of all natural disasters

Up to 90% of natural disasters over past 10 years are from floods, droughts and severe storms affecting more than 1.7 billion people worldwide

Flooding and other climate risks are increasing in frequency and severity

10 out of the top 15 countries most threatened by and vulnerable to climate change are in the Asia-Pacific

Water quality challenges threaten immediate relief and long-term recovery

Debris, wreckage, and agricultural runoff enter and contaminate the water supply

CONVENTIONAL SOLUTIONS FOR IMMEDIATE DISASTER RESPONSE ARE INSUFFICIENT, EXPENSIVE, OR UNRELIABLE

PORTABLE FILTRATION SOLUTIONS

- Time-consuming, labor-intensive manual pumping
- Expensive membrane replacement
- Frequent cleaning and upkeep
- Limited disinfection capability

PACKAGE WATER

- Expensive due to transportation costs
- Unsustainable medium-term solution
- Generates large amounts of plastic waste

WATER TANKERS

- Uncertain water quality
- High threat of recontamination
- Unable to reach remote locations

A COMPACT WATER PURIFICATION SOLUTION DELIVERING

500L /HOUR

- $0.03 per 100L
- Zero Maintenance
- Fully Automated
- Portable
- Consistent, Complete Treatment

DESIGNED & DEVELOPED IN SINGAPORE

**1 unit can serve up to 2000 people/day*

High Flowrate

Up to 500L/hour*

Portability

Check-in baggage (30kg), fits on motorcycles for ease of transportation to remote areas
Size : 63 x 50 x 30cm

Versatility

Deployable in various water sources of unknown quality including floodwaters, only 12V car battery required and/or solar pack

Built-in Backwash

Automated backwashing to remove build-up contaminants, failproof operations

Contaminant Removal

Long-lasting ultrafiltration ceramic membrane delivers drinking water that meets WHO Guidelines:

- Bacteria and pathogen removal
- Odor and color-free
- Additional modules available to target specific contaminants (e.g. arsenic)

LOCALLY SOURCED PARTS

1. Filter Pump
2. Hoses and Fittings
3. Feed Pump
4. Y-Strainer

PROPRIETARY TECH

5. UV Sterilizer
6. Ultra-Filter Housing with Ceramic Membrane
7. Activated Carbon Housing
8. Control Box
   In-Built Backwashing Function

EXPANDING PRODUCT PORTFOLIO

Ready to deploy in Q3 2021

Standard

Compact Water Purification System

Dimension
63 x 50 x 30cm

Flow Rate
up to 500 liters/hour

Weight
30 kg

Mini

Compact Water Purification System

Dimension
52 x 40 x 22cm

Flow Rate
up to 150 liters/hour

Weight
12 kg

Brackish Water

Reverse Osmosis

Dimension
53 x 43 x 22cm

Flow Rate
up to 150 liters/hour

Weight
12 kg

Seawater

Reverse Osmosis

Dimension
82 x 52 x 41cm

Flow Rate
up to 700 liters/day

Weight
60 kg

TARGETING DISASTER RELIEF AGENCIES

IMMEDIATE AND MEDIUM-TERM RELIEF

Flooding Disaster - Jakarta, Indonesia

Flooding Disaster – Kerala, India

Treated river and floodwaters
>100,000 litres over two years
System deployed within **36 hours**
1000+ people served

DEPLOYED IN 5 COMMUNITIES ACROSS 3 COUNTRIES

(Indonesia, Thailand, Malaysia)

COMMUNITY AND RURAL SOLUTIONS

DRINKING WATER SUPPLY IN TEMPLE

Off-Grid Supply (Temple, Singapore)

Untreated Well Water
Up to **1000 litres/day**
200+ people/day served

RURAL SCHOOL WATER PROVISION

Rural School (Mt. Merapi, Indonesia)

Untreated Surface Water
>100,000 litres treated
200 people/day served for **2 years**

OUR INDUSTRIAL BUSINESS PROVIDES THE EXPERTISE AND TRACK RECORD TO DEVELOP QUALITY SOLUTIONS FOR DISASTER RELIEF

Drinking Water Treatment System for Lembaga Air Perak

Installation of 30m3/hr river water treatment system (Malaysia)

REC Solar: Design, Build, Own and Operate Project

Recycling of REC's cooling tower blowdown wastewater and RO reject water (Singapore)

Abbott — Recycling of Wastewater

Singapore Zoo — Rental of UF skid

HITACHI — Replacement of sand filters with ceramic membranes

Pratt & Whitney — Treatment of high temp solvent

NSL OilChem Waste Management — Treatment of high temp oily wastewater

REC SOLAR — Recycling of wastewater

FOUNDERS

BASHIR AHMAD
CEO, Co-Founder

Over 18 years of experience in engineering design, construction and maintenance of water/wastewater treatment plants

RIAZ DEEN
CTO, Co-Founder

Over 10 years of experience in industrial and marine engineering, fabrication and manufacturing

RECOGNITION

UAE GLOBAL WATER AWARDS 2019

مبادرات محمد بن راشد آل مكتوم العالمية
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