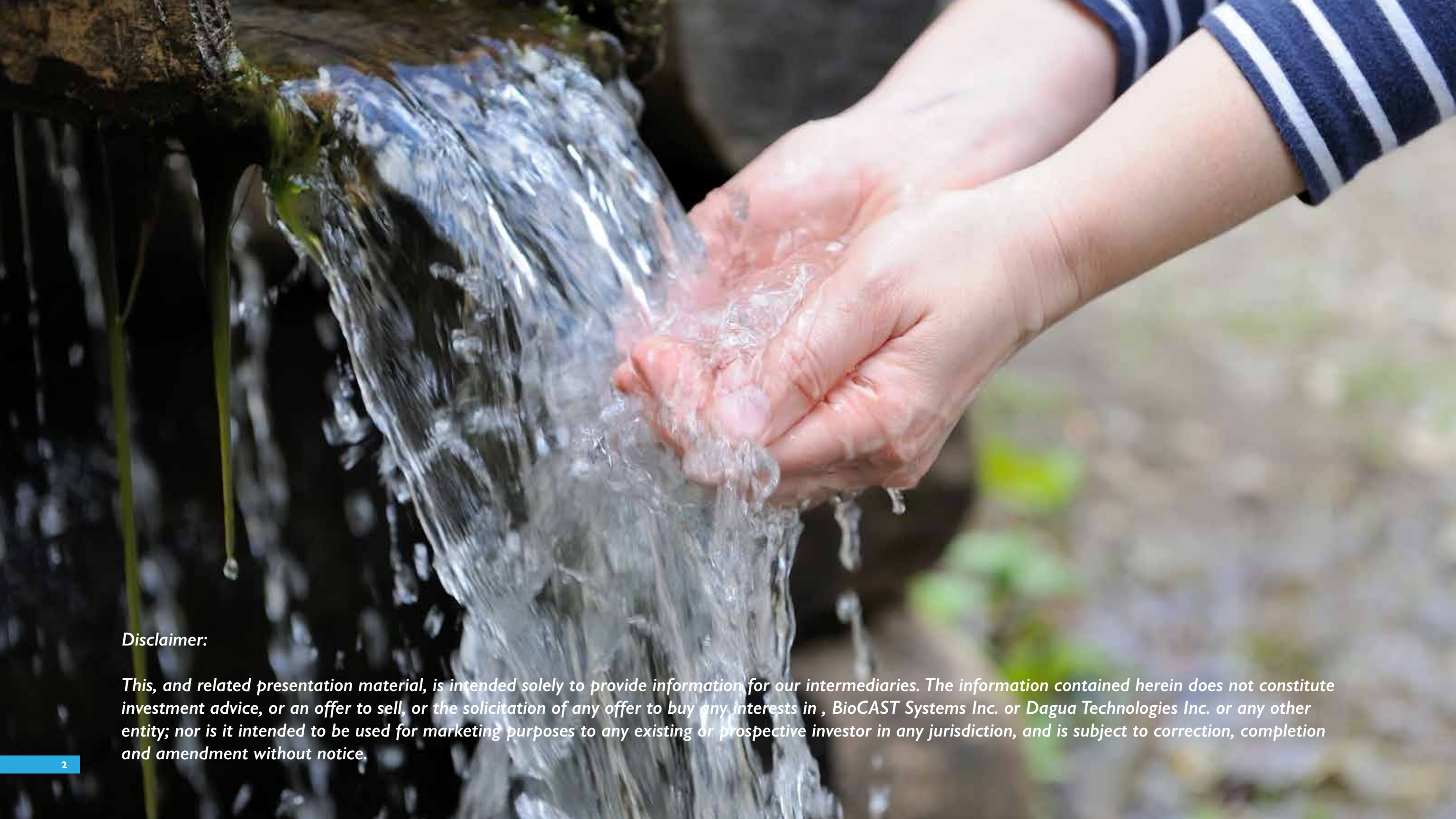




DAGUÀ

Water solutions for a
new world



Disclaimer:

This, and related presentation material, is intended solely to provide information for our intermediaries. The information contained herein does not constitute investment advice, or an offer to sell, or the solicitation of any offer to buy any interests in , BioCAST Systems Inc. or Dagua Technologies Inc. or any other entity; nor is it intended to be used for marketing purposes to any existing or prospective investor in any jurisdiction, and is subject to correction, completion and amendment without notice.

WATER SCARCITY AND INSECURITY



Global water demand to grow by **50%** by 2030



Only **2.5%** of all water is **freshwater**

Population is projected to hit **9,7** billion by **2050**

over **3.9** billion **people** will live in severely water-stressed situations



Between now and 2050, water demands are expected to increase by **400%** from **manufacturing**

and **130%** from household use

An aerial photograph of a dense urban skyline, likely Hong Kong, featuring numerous high-rise buildings and a large body of water in the background. The text "OPERATIONS IN CHINA" is overlaid in white, bold, sans-serif font on the right side of the image.

OPERATIONS IN CHINA

WATER STRESS: CHINA

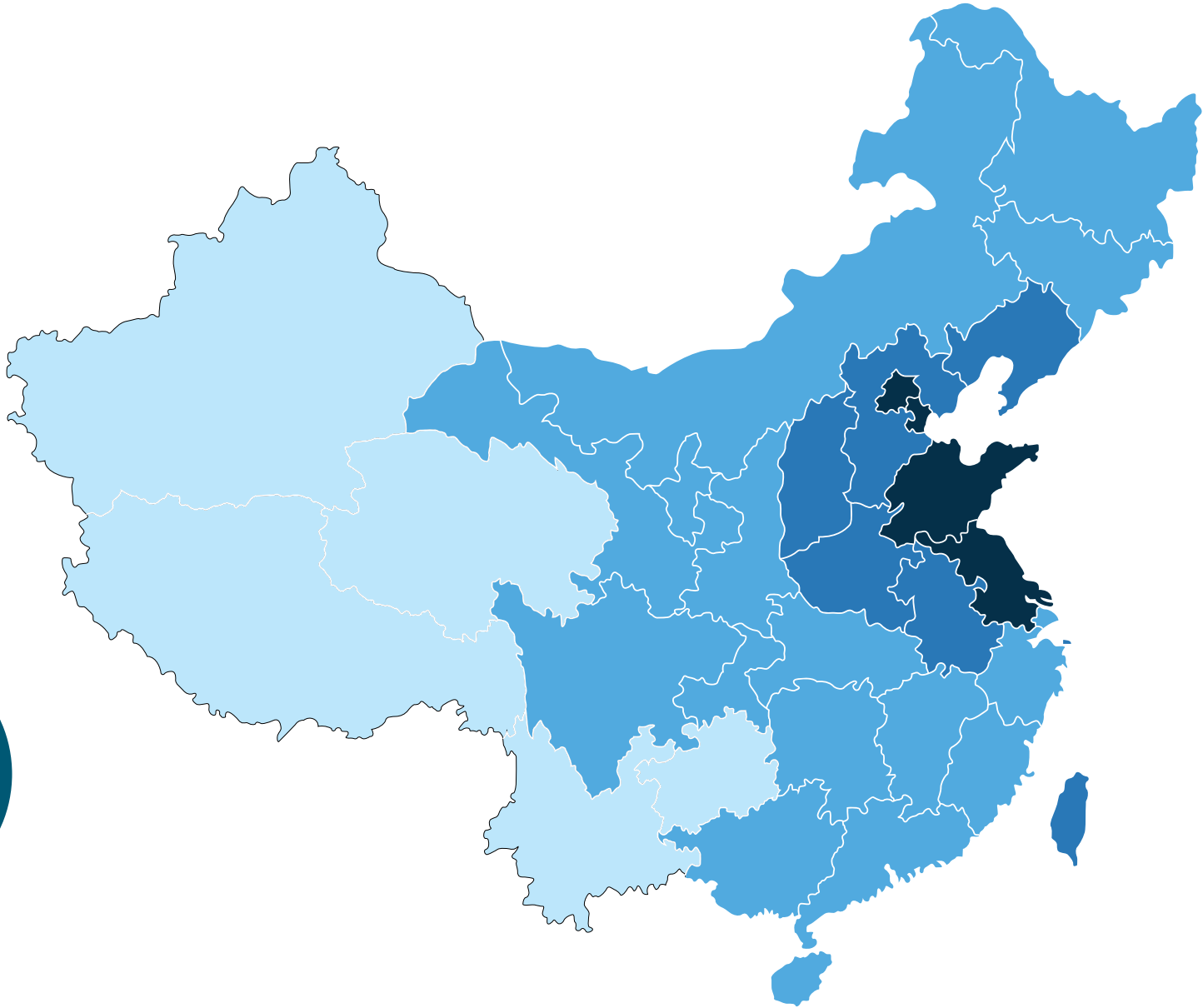
1.4
BILLION

and increasing by millions per year.

6%
GROWTH

300
BILLION \$

in infrastructure

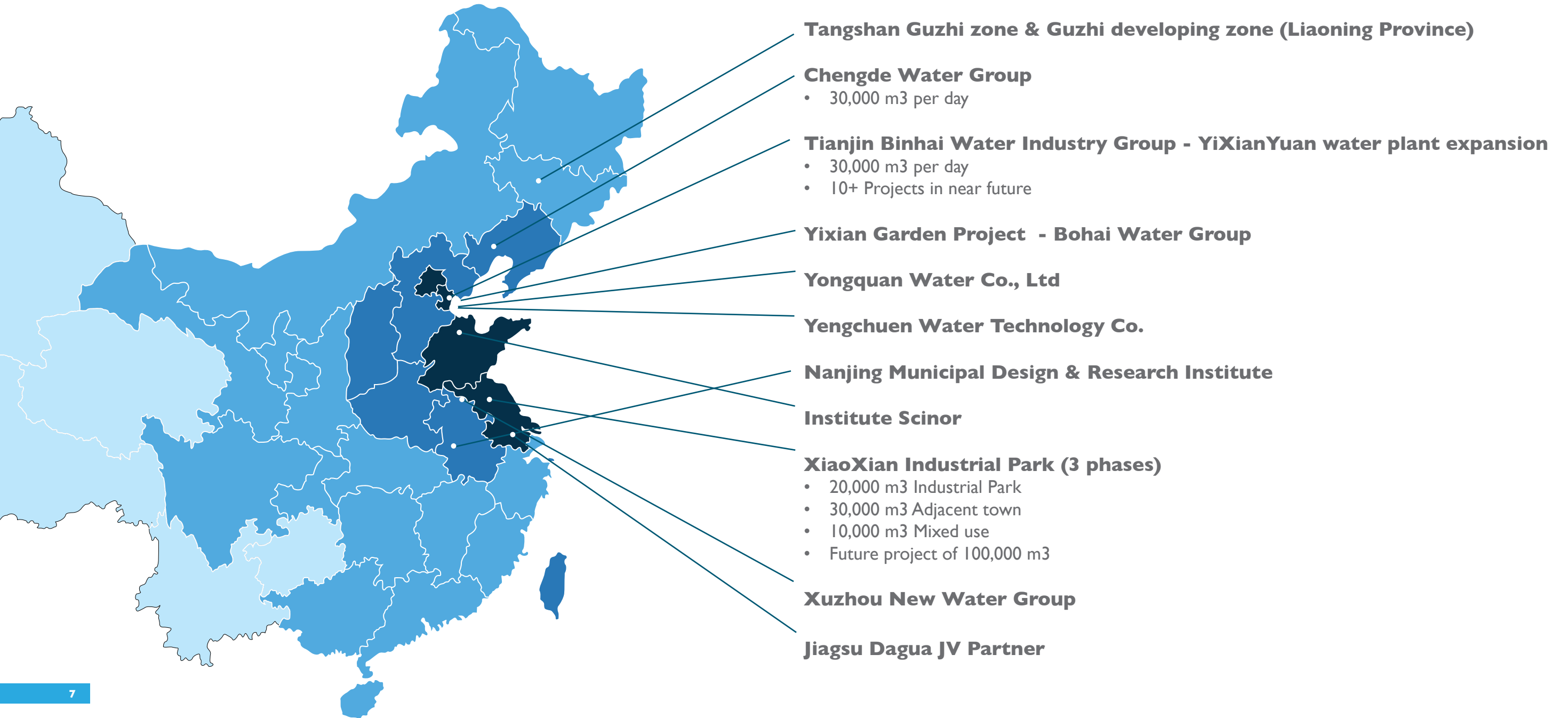


600
MILLION

People living in high water-stressed areas

- Extreme risk
- High risk
- Medium risk
- Low risk

CHINA MARKET PENETRATION



CHINESE JOINT VENTURE

Dagua Joint Venture agreement with Jiangsu New Epoch EPCo Ltd. of Yixing, China during Montreal Trade Mission to Shanghai with Mayor Coderre. Chinese partner has vast experience in the China water industry with over 1300 installs, and a national sales, engineering and deployment team. New factory built to fabricate Dagua plants for the Chinese/Asia market. Expected sales in the next 3 years: RMB 2 Billion (\$C 400M)







China





SALES EFFORTS

TIANJIN WATER PROJECT

TIANJIN PHASE I – DELIVERY SUMMER 2019

PROJECT DESCRIPTION:

- Client: Tianjin Yuquan Water Co., Ltd
- Volume: 30,000 m³
- Selling Price: 49.5M RMB
- Budgeted Construction Cost: 39.0M RMB

5 RMB = 1 CAD

TIANJIN PHASE II – DELIVERY 2020

PROJECT DESCRIPTION:

- Client: Tianjin Yuquan Water Co., Ltd
- Volume: 30,000 m³
- Selling Price: 67.08M RMB
- Budgeted Construction Cost: 37.0M RMB







SALES CHANNELS

JIANGSU DAGUA JOINT VENTURE (YIXING CHINA)

- BINHAI WATER GROUP
- XIAXUAN WATER GROUP
- ETC.

DONVELA DAGUA BIOCAST Latinoamerica

MSK IRAQ Oil and Water Services **DAGUA**

TECHNOLOGIES INC. (IRAQ) HNS

TECHOCRAFT INC. (SOUTH ASIA)

RLC GROUP (AFRICA)

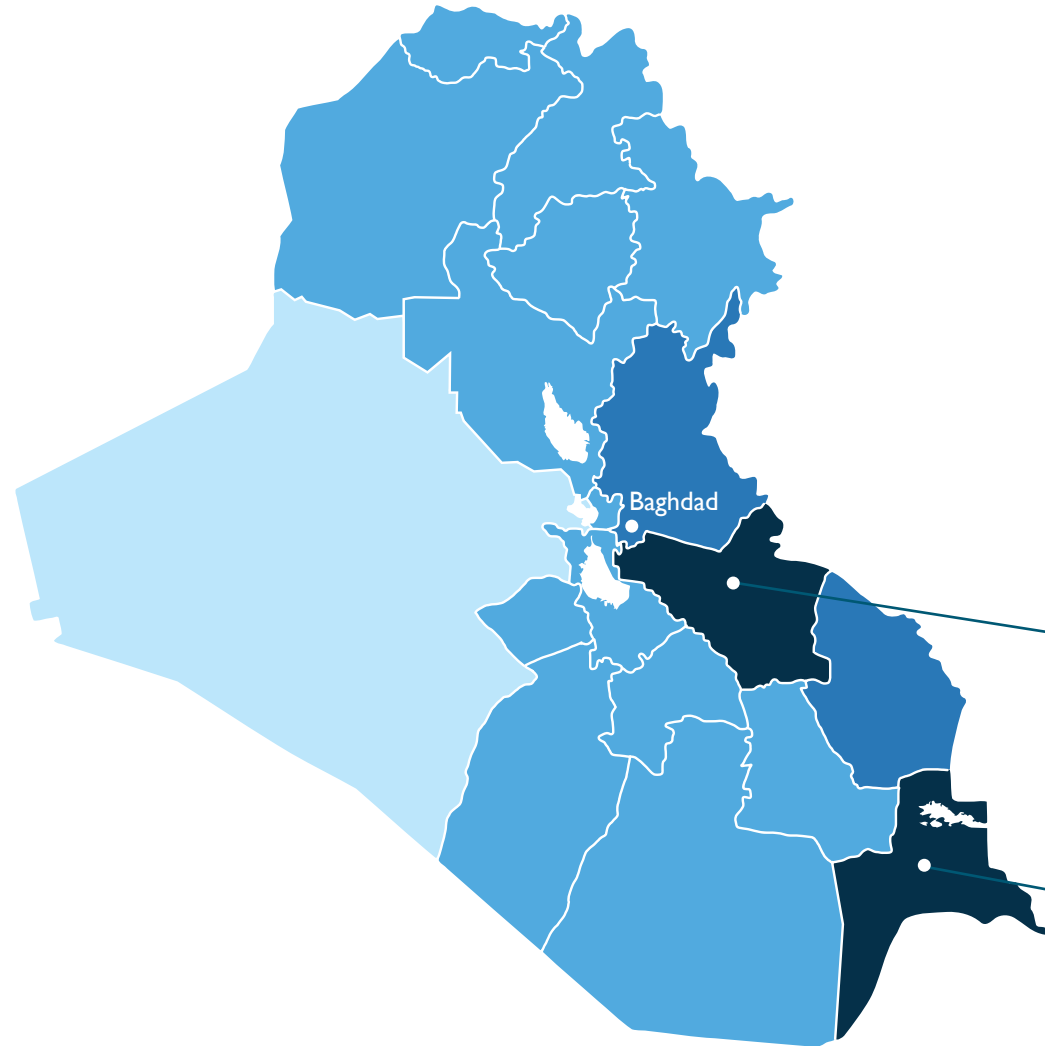
ARCTIC CONSTRUCTION (AFRICA) BMI

GROUP (AFRICA)

LIME INTERNATIONAL (AFRICA-CCC)

EPPM S.A. (TUNISIA)

IRAQ WATER MARKET



Multiple business development trips and technical exchanges

LOI signed in 2017

DAGUA IRAQ incorporated in 2018

Provincial Level approval obtained in January 2019

Submitted proposals for over 650,000 m³ of installed capacity

Wasit Province

- 3 plants (528,000 m³)
- Provincial approval and request for Federal Infrastructure Funding issued in January 2019

Basra Province

- 1 plant (120,000 m³)



OPERATIONS IN AFRICA

AFRICA WATER NEEDS

1.2
BILLION

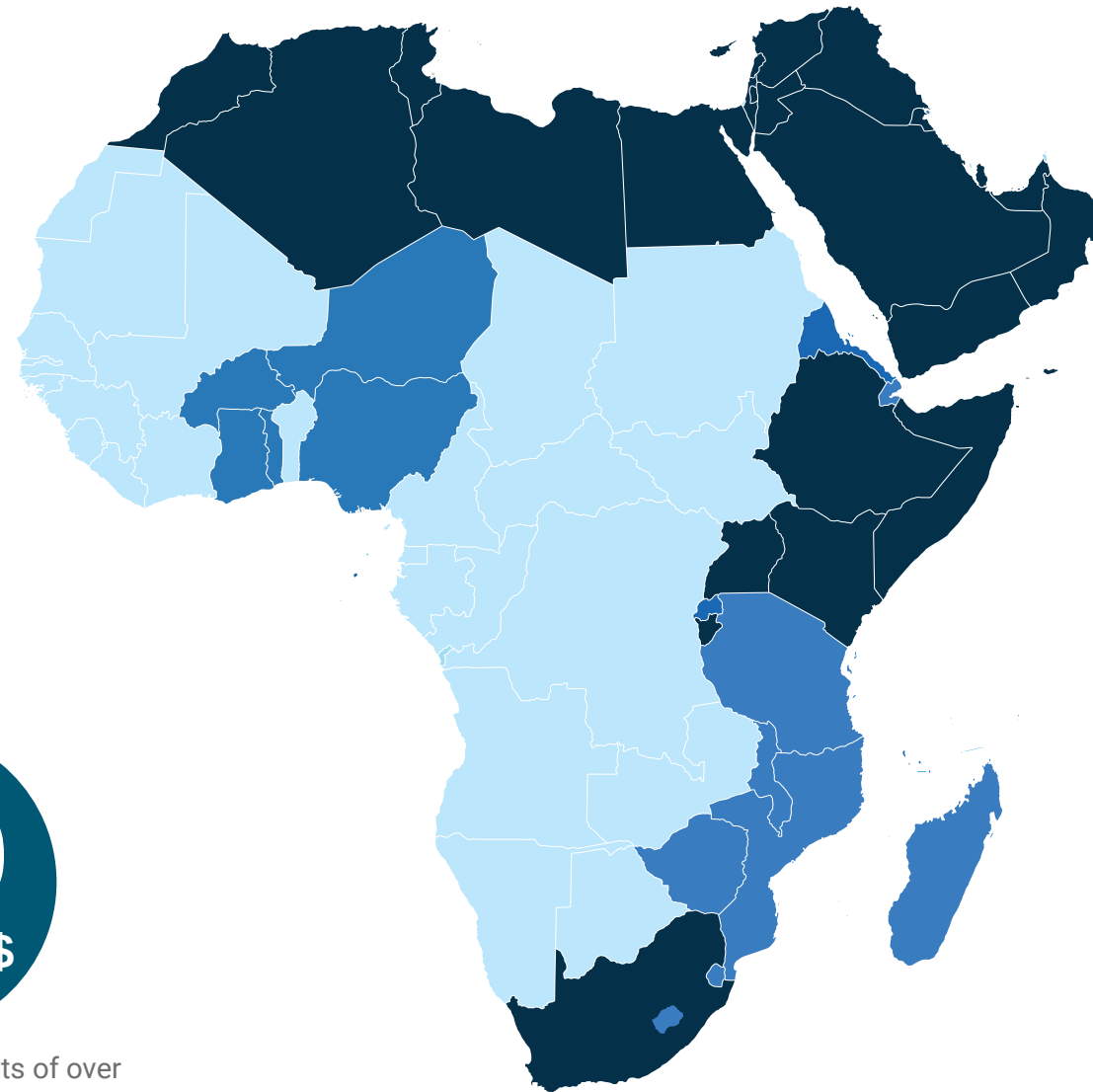
Population of over 1.25B people increasing by over 50% by 2050

7%
GROWTH

GDP Growth Rates of over 7% annually

200
BILLION \$

Infrastructure investments of over \$200B annually needed to support Growth Rate

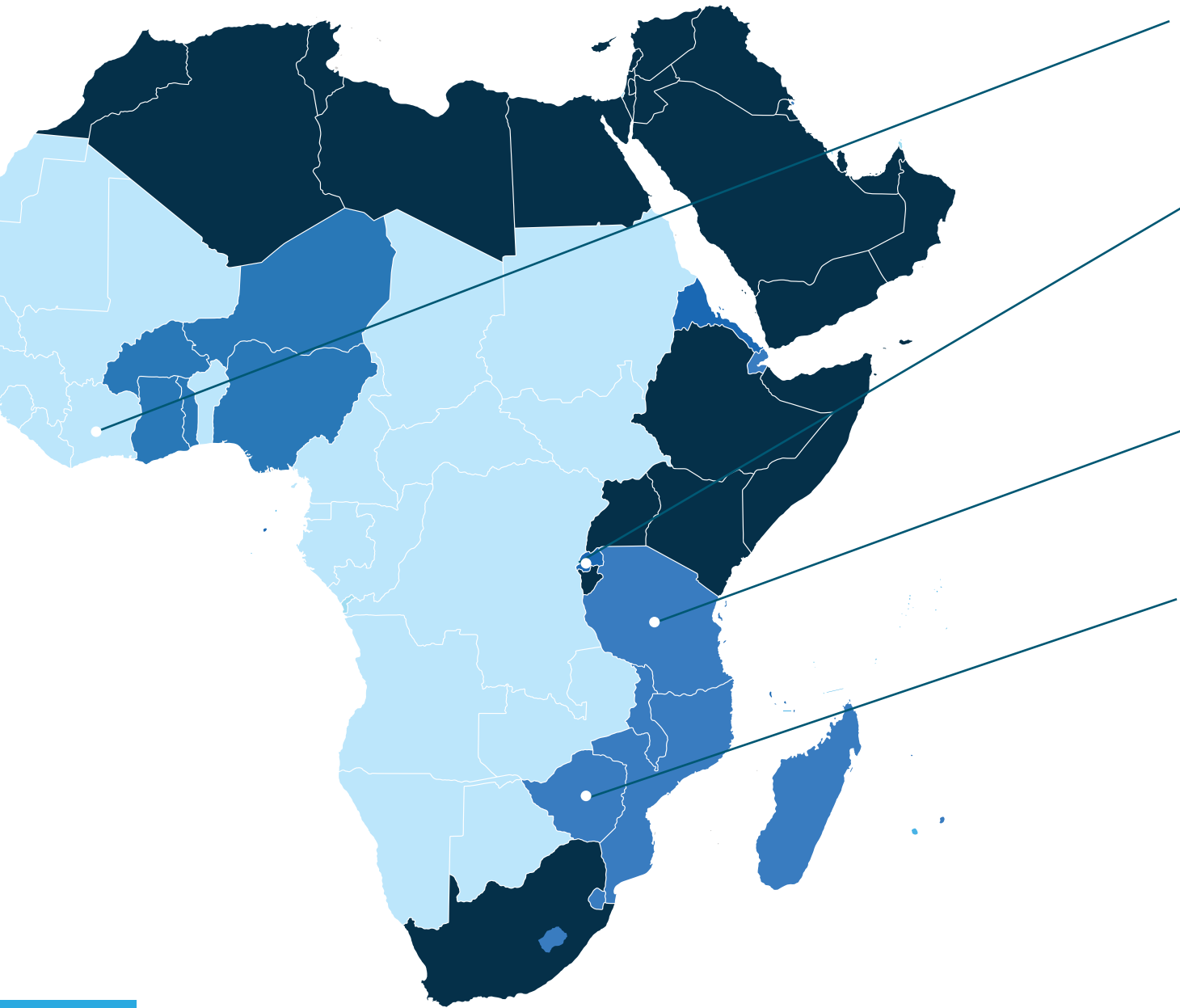


300
MILLION

living in high water-stressed areas

- Extreme risk
- High risk
- Medium risk
- Low risk

AFRICA MARKET PENETRATION



LOI signed with Ministere de L'Hydraulique de la Republique de Cote d'Ivoire

- 10 Projects identified with 3 planned for Q1 2019
- Supported by Consortium with CCC and EDC

LOI signed with Rawanda Development Board (RLC)

- 20 treatment plants needed
- First one to one in Kegali – 45K-60K m3
- Pilot Plants to be installed ASAP
- Dagua - 10K m3
- BioCast - 200 m3

Tanzania

- 260K m3 was identified
- Multiple smaller plants needed throughout the country
- High level of interest from Ministry of Water

LOI signed with Republic of Zambia Ministry of Water Development (Highlight on Map)

- 26 locations identified volumes of 10K -200K m3
- Sent budget prices for 5K-400K m3 plants
- Lusaka, Zambia identified as first plant with 30K m3 capacity
- Numerous mobile units of 1K m3 needed

Zimbabwe

- Water identified as the most important issue for the country
- 32 cities need waste water treatment plants (populations of 500K to 1M ppl) - BioCast
- Minister of Community Development mandated a 100 day period to identify projects

EAST AFRICA



WEST AFRICA



GOVERNMENT RELATIONSHIPS - CANADA



The CCC becomes the General Contractor for the Project, thusly guaranteeing delivery to the Foreign Country and payment to the Canadian Company.



The EDC is the financial backer of the Project, providing loan guarantees to Foreign Countries, improving their ability to finance the Project.



Foreign Affairs, Trade and Development Canada

Foreign Affairs assists Canadian Companies in all matters of Business Development abroad.

AFRICA SALES CHART

DAGŪA



Lenders are able to Finance at preferential interest rates

Country is able to pay for the project

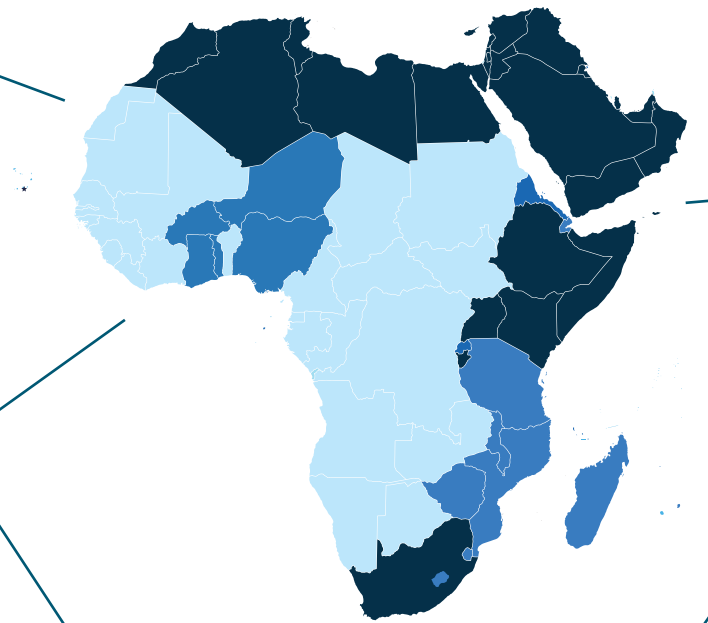
Acts as Supplier to the CCC and receives payment



CCC become Project GC, ensures effective delivery of the Project



EDC provides Lenders with Loan Guarantees allowing Countries to borrow



OPERATING PLANTS



8 Plants in Canada



2 Plants in China

1 Plant under construction



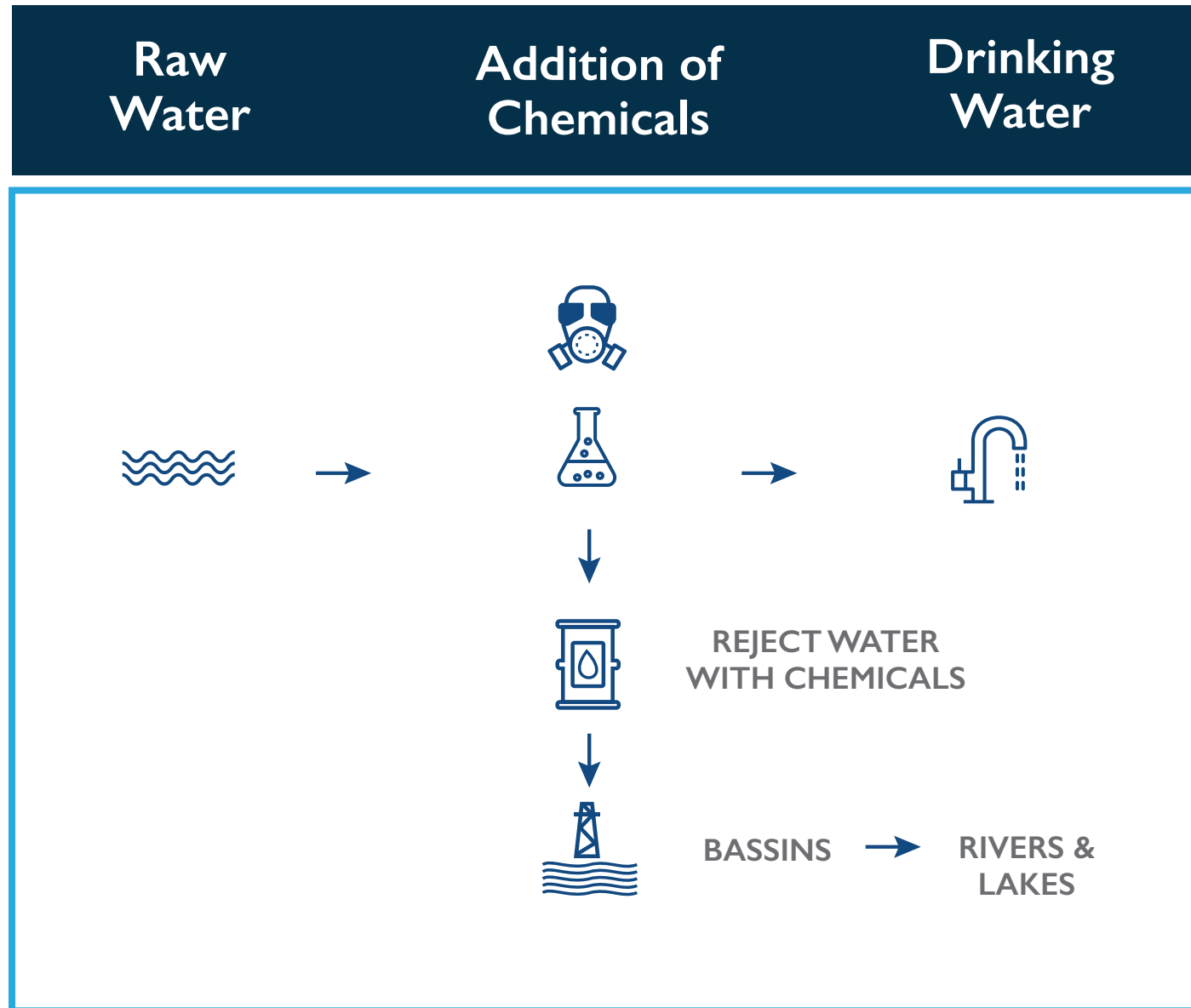
St-Denis sur le Richelieu

30,000 m³ drinking water plant
near Montreal

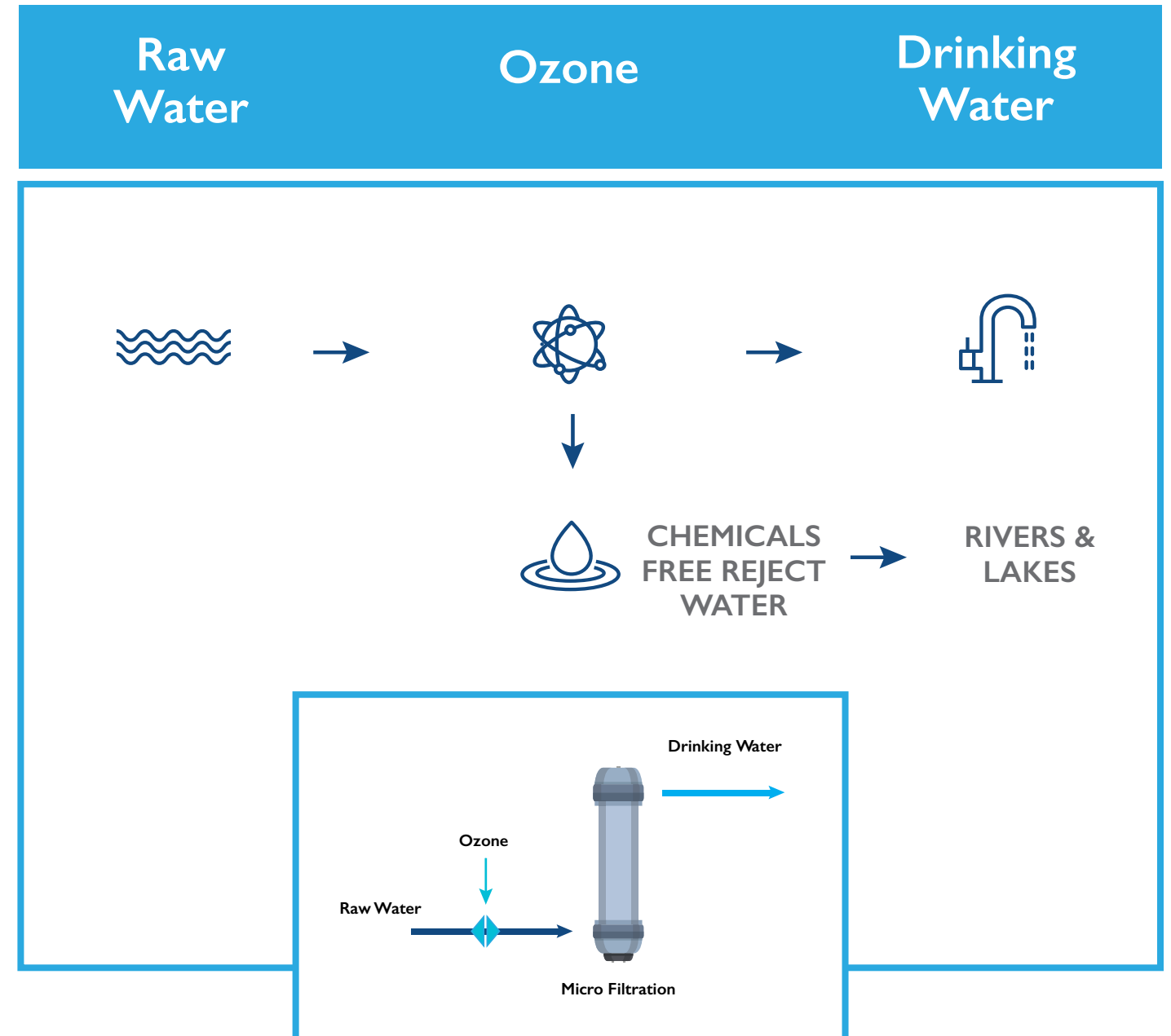




TRADITIONAL WATER TREATMENT



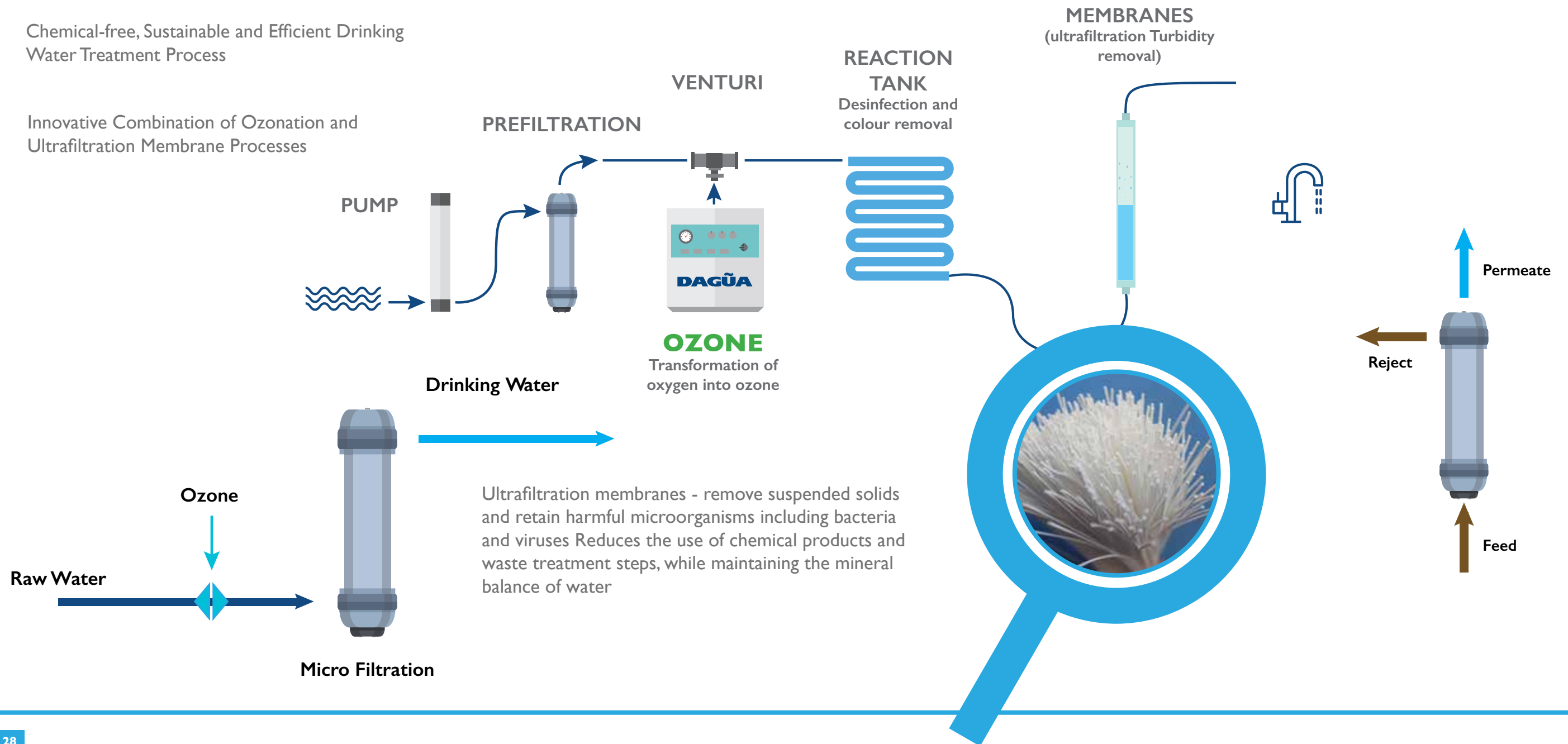
DAGUA TECHNOLOGY



TECHNICAL CHART

Chemical-free, Sustainable and Efficient Drinking Water Treatment Process

Innovative Combination of Ozonation and Ultrafiltration Membrane Processes



PREFILTRATION

VENTURI

REACTION TANK
Desinfection and colour removal

MEMBRANES
(ultrafiltration Turbidity removal)

PUMP



OZONE
Transformation of oxygen into ozone

Drinking Water

Ozone

Raw Water

Micro Filtration

Ultrafiltration membranes - remove suspended solids and retain harmful microorganisms including bacteria and viruses Reduces the use of chemical products and waste treatment steps, while maintaining the mineral balance of water

Permeate
Reject
Feed

DRINKING WATER

RIVERS & LAKES



O_3 becomes O_2

THE POWER OF OZONE

Ozone - powerful natural disinfectant gas, considerably more active than chlorine

Ozone disinfects, improves taste, color and smell, and removes organic contaminants

Ozonation improves water clarification, prevents formation of hazardous trihalomethanes (THMs), while reducing the water's metal content (e.g. iron and manganese)

Ozonation removes trace contaminants such as pharmaceuticals, steroids, hormones, industrial agents and gasoline additives

Benefits

- Plug & Play Technology
- Modular
- Scalable
- Automated
- Chemical Free
- Waste Water Stream is **SAFE** to reuse and doesn't require treatment

- Water purification and disinfection
- Combined ozonation-membrane ultrafiltration treatment
- No chemical use, including coagulants
- Up to 40% less space than conventional coagulation systems
- Meets the most stringent water quality standards
- Significant cost savings compared to the existing technologies
- Can be installed as a single unit between the source of the water to be treated and the distribution network, or integrated "Plug & Play" into existing infrastructure

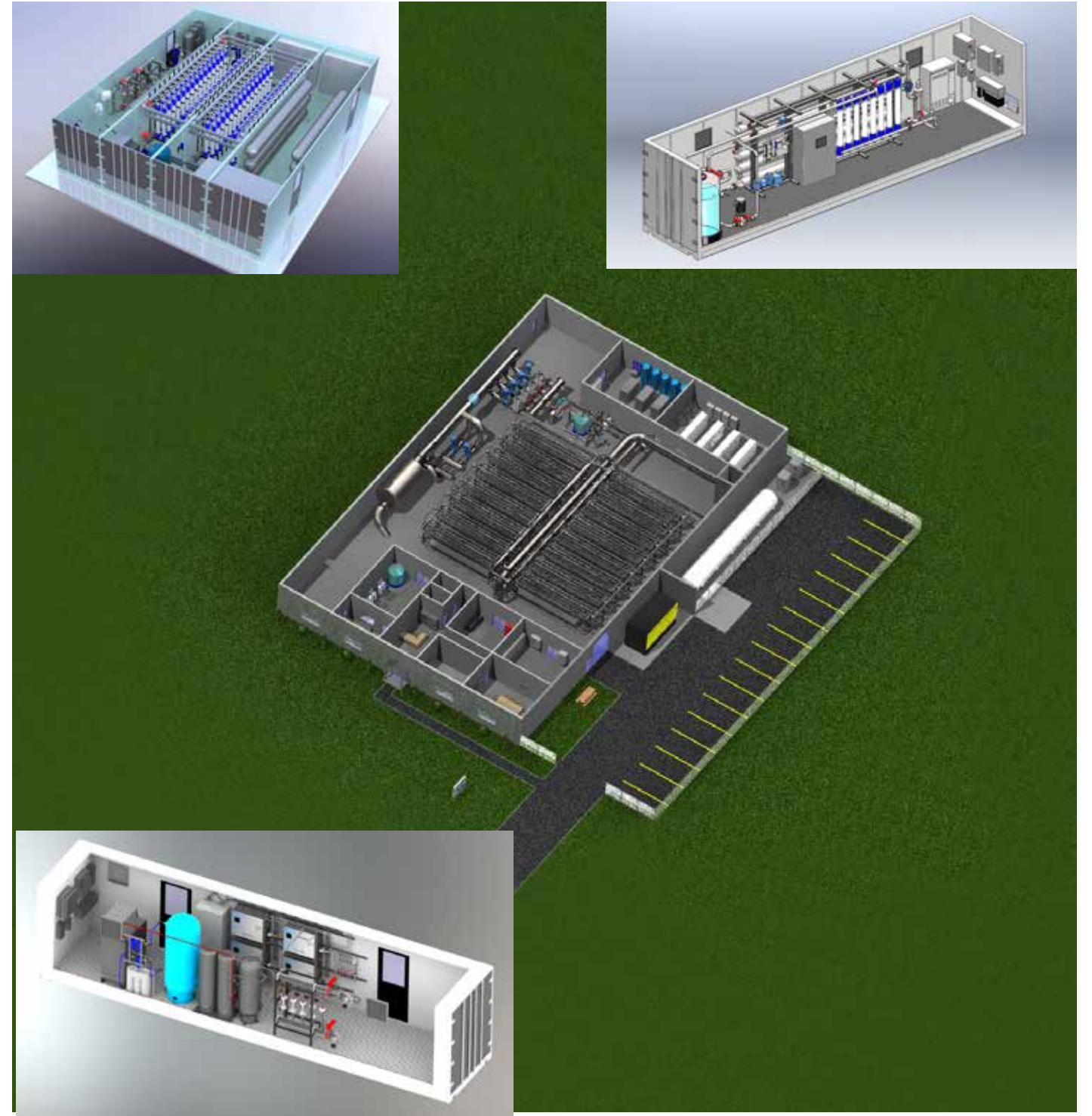
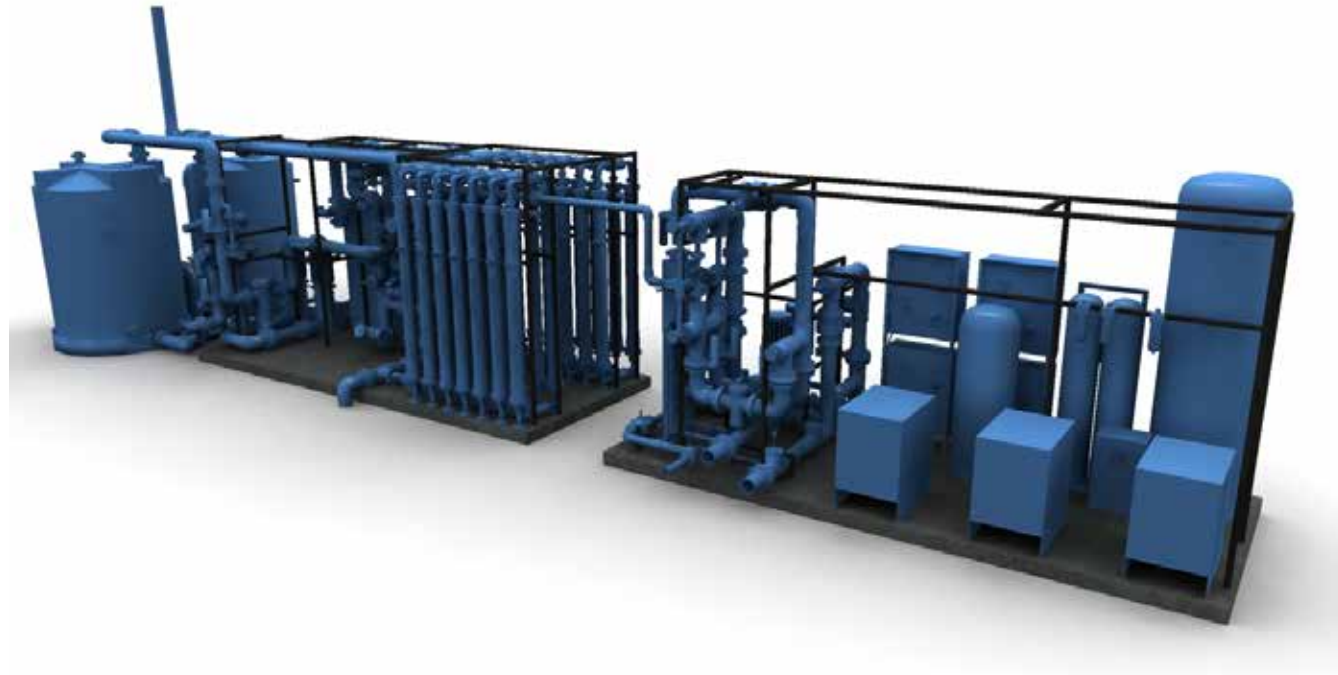
MODULAR AND PREFABRICATED

DAGŪA





COMPACT DESIGN



PATENTED, INNOVATIVE AND PROPRIETARY

NORTH AMERICA & CENTRAL

Canada
USA
Mexico
Brazil

AFRICA

Egypt
South Africa

EUROPE

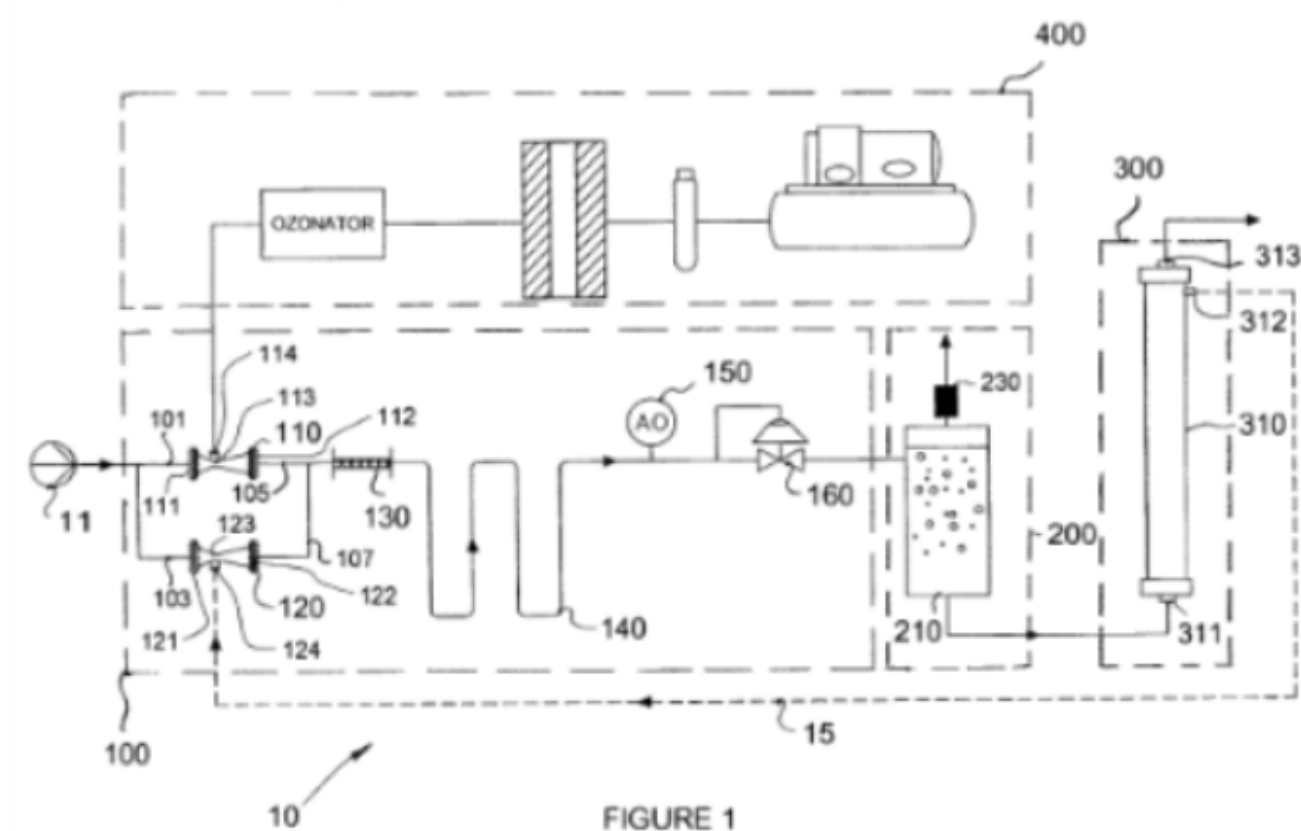
Pan European Patent

OCEANIA

Australia

ASIA

China
India



SCIENTIFIC ARTICLES

DAGUA-BWT: A New Technology For The Treatment Of Ballast Water

By Laleh Yerushalmi

Development of a Full-Cycle Water Remediation Process

By L. Yerushalmi and B. Seyhi

Drinking Water Treatment using the Combined Ozonation and Membrane Ultrafiltration Processes

By Laleh Yerushalmi

Combined ozonation and ultrafiltration membrane processes for the production of drinking water

By Laleh Yerushalmi

Effectiveness of ozone/membrane pairing for the production of drinking water from surface water

By Pierre Lahaye and Patrick Niquette

An innovative process for the treatment of high loaded surface waters for small communities

By Patrick Niquette, Robert Hausler, Pierre Lahaye and Maurice Lacasse

OUR TEAM



Ronald A. Fon
President & CEO

Ronald Fon is the President of Dagua Technologies Inc. He has also been a director of Superclick Networks (SPCK-Nasdaq OTC) since 2002 where he was a seed investor and Chief Executive Officer between 2003 and 2004. He guided the company to 24 consecutive quarters of profitability and a successful merger with AT&T in January 2012.



Robert Kalinowicz
President & CEO

Robert Kalinowicz is a founder and President of BioCAST Systems Inc., a wastewater treatment company that specializes in the development and sales of a state of the art biological wastewater treatment technology. BioCAST recently acquired Dagua Technologies Inc., a leader in the production of drinking water using a unique process of ozone and microfiltration.



Laleh Yerushalmi
Ph.D., P.Eng

Dr. Laleh Yerushalmi is the Chief Technology Officer at BioCAST Systems Inc. and Dagua Technologies Inc. in charge of research and development and advancement of wastewater and drinking water treatment technologies. She is a professional engineer and member of l'Ordre des ingénieurs du Québec. Dr. Yerushalmi was formerly the Director of Research and Development at Atara Corporation in Montreal.

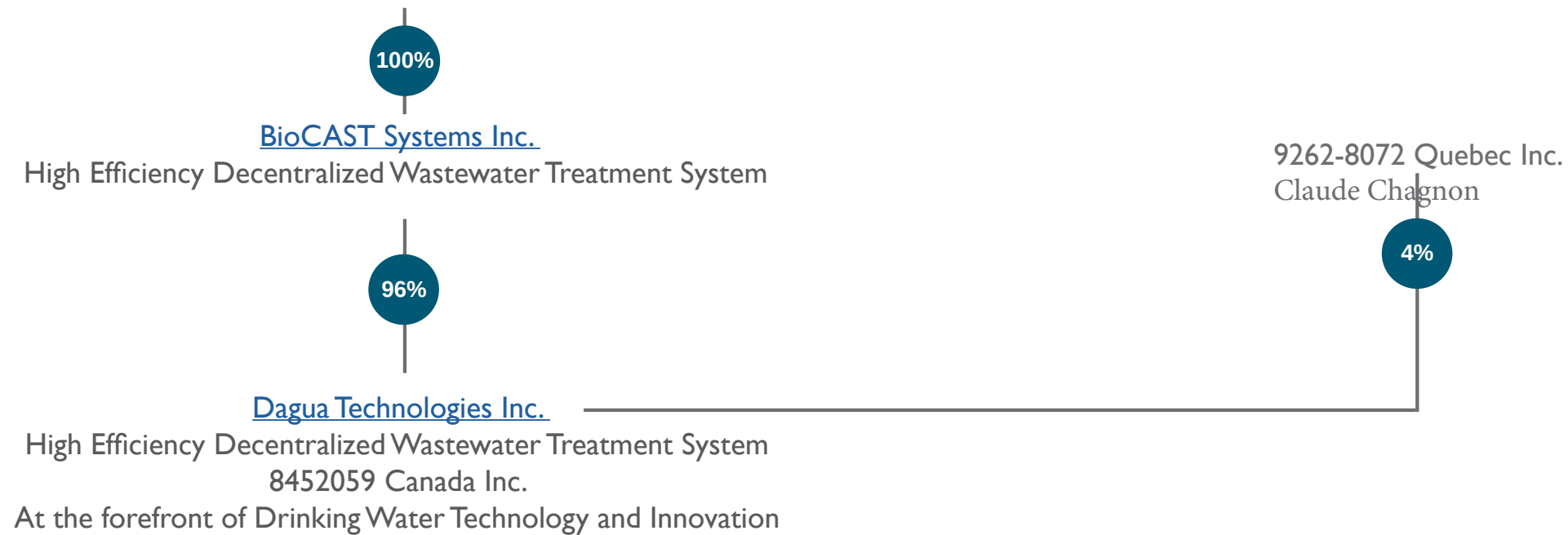


Ilya Spivak
Director

Ilya Spivak is a cofounder and President of Progressif Asset Management, a private equity firm focused on commercial real estate investment, management and financing. Mr. Spivak has been a principal and investor in several entrepreneurial ventures and has focused on the finance and business development aspects of these companies.

CAPITAL STRUCTURE

Shareholders:	Ownership (Fully Diluted)	
Ronald Fon	15-20 %	Director
Robert Kalinowicz	15-20%	Director
Laleh Yerushalmi	15-20%	Director
Spivak Family Trust (Ilya Spivak)	15-20%	Director
Alexander Sebe	5-10%	Director
Others	5-10%	
Total	100%	



PIPELINE

DAGUA TECHNOLOGIES INC.												
PROJECT SUMMARY												
2019-2020												
IN CANADIAN DOLLARS												
DRAFT - CONFIDENTIAL												
NAME OF PROJECT	LOCATION	CAPACITY	UNITS	TOT. CAPACITY	SALE	COGS	GROSS MARGIN/EBITDA	DAGUA PORTION OF EBITDA				
AL SUWEIRA	IRAQ	144000	1	144000	\$ 60,000,000	\$ 42,391,343	70.65%	\$ 17,608,657	29.35%	\$ 17,608,657		
AL HAI	IRAQ	144000	1	144000	\$ 60,000,000	\$ 42,391,343	70.65%	\$ 17,608,657	29.35%	\$ 17,608,657		
AL SHEIKH	IRAQ	25000	1	25000	\$ 12,000,000	\$ 8,760,000	73.00%	\$ 3,240,000	27.00%	\$ 3,240,000		
DALOA	IVORY COAST	15000	1	15000	\$ 13,790,000	\$ 10,284,000	74.58%	\$ 3,506,000	25.42%	\$ 3,506,000		
MOROKRO (MOBILE)	IVORY COAST	360	34	12240	\$ 33,320,000	\$ 20,400,000	61.22%	\$ 12,920,000	38.78%	\$ 12,920,000		
JIANGSU DAGUA JOINT VENTURE	31.00% \ PARTICIPATION											
YIXIAN YUAN (COMPLETED)*	CHINA	30000	1	30000	\$ 10,000,000	\$ 8,500,000	85.00%	\$ 1,500,000	15.00%	\$ 465,000		
BINHAI WUQING	CHINA	60000	1	60000	\$ 24,000,000	\$ 16,000,000	66.67%	\$ 8,000,000	33.33%	\$ 2,480,000		
SHENYANG	CHINA	100000	1	100000	\$ 40,000,000	\$ 25,000,000	62.50%	\$ 15,000,000	37.50%	\$ 4,650,000		
TOTAL				530240	\$ 253,110,000	\$ 173,726,687		\$ 79,383,313		\$ 62,478,313		

* Project sold at reduced price to enter market



DAGÜA

WATER SOLUTIONS FOR A NEW WORLD

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dagua.com