



# Revolutionizing Sanitation, Empowering Humanity

---

Company Profile Presentation



# ABOUT US

1

## **Pioneer in Sustainable Sanitation**

- Off-grid solutions
- Cutting-edge technology
- Affordable products

2

## **Universal Accessibility**

- Clean water and safe sanitation anywhere
- No existing infrastructure required

3

## **Endorsed by Bill & Melinda Gates Foundation**

- Off-grid solutions
- Cutting-edge technology
- Affordable products

4

## **Versatile Applications**

- Remote construction sites
- Sporting events
- Entertainment venues
- Various other settings

5

## **Contributing to UNSDG6**

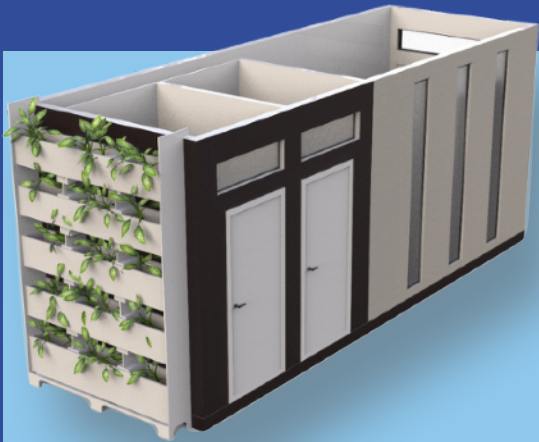
- Aligns with "Clean Water and Universal Access to Safe Sanitation"
- Potential for substantial global impact

6

## **Innovative Technology**

- Suitable for diverse environments
- Addresses worldwide sanitation & water scarcity challenges

# OUR PRODUCTS



## OCTOPI

Off-grid toilet blocks with  
onboard organic autonomous  
treatment of black & grey water



## OCTO

Single portable toilet cabins  
with autonomous organic water  
treatment system.



## OCTO NANO

Ultra compact water treatment  
solutions for mobile  
transportation applications.



## OCTFRESH

Portable, off-grid hand washing  
station (single and communal)  
with on-board grey water  
treatment solution.

# OUR JOURNEY

1975

Establishment of BFG International, a worldwide leader in Engineering and Manufacturing.

2007

Driven by global sanitation & water scarcity crises, BFG Environmental Technologies founded to contribute to UNSDG 6 “Universal Access to Clean Water & Safe Sanitation”.

2009

Partnership with Qinetiq sparked development of first miniaturized sanitation system intended for rolling stock application.

2014

BFG ET Research Center inaugurated in France. Commenced research with leading academic institutions including the Universities of Strasbourg and Montpellier.

2019

Milestone achievement with successful “infield” trials and a collaboration with the Bill & Melinda Gates Foundation.

2020

R & D continues targeting Off-grid toilet blocks, wastewater treatment plants for Green Buildings, portable cabins with autonomous water treatment, & handwashing stations with grey water treatment.

2024

Launch of new brand identity, “OCTOSAN,” which underscores our commitment to delivering intelligent sanitation solutions towards universal access to safe and dignified sanitation for all.



# ANYWHERE ACCESS TO WATER!

Whether it's a remote construction site, city center, mountain top healthcare facility, ultramarathon event, or disaster recovery area, our sustainable sanitation products ensure access to water without the need for existing infrastructure.

“

Practical, Resilient, And  
Designed For The Real  
World, We Provide Anywhere  
Access To Water!

# Construction Sites

1

## **Scalable sanitation solutions for construction sites and developments**

- Efficient, reliable, and cost-effective sanitation solutions for remote construction sites and new developments.
- Compliance with environmental regulations and standards.
- Scalable solutions that can be adapted to projects of varying sizes.



# Public Spaces

2

**Sustainable and budget-friendly off-grid sanitation systems for municipal & urban use**

- Cost-effective, robust, and public health-compliant sanitation services for urban and remote communities.
- Long-term solutions for water treatment.
- Cost-effective strategies for improving public sanitation infrastructure.



# Events & Tourist Destinations

3

**Visually appealing and efficient sanitation facilities for tourist destinations and high profile & private events**

- Quick and efficient deployment of sanitation units for events.
- Enhances the overall visitor experience through superior sanitation services.





# Onshore & Offshore Oil & Gas Operations

4

## **Durable and environmentally conscious sanitation products for oil and gas remote operations**

- Compliance with industry-specific environmental and safety standards.
- Minimizing environmental impact of operations.



# Military Operations

5

**Mobile and easily deployable sanitation solutions for off-site military operations and training exercises.**

- Sanitation systems that can operate independently of local infrastructure.
- High standards of hygiene to maintain troop health and morale.





# Humanitarian Applications

**Humanitarian aid, and community empowerment through access to safe sanitation in any environment.**

- 1** Solutions that contribute to the UNSDG's.
- 2** Improved Sanitation Facilities: Building and maintaining sanitation facilities to prevent disease.
- 3** Clean water and sanitation for disaster relief including refugee camps, earthquake and flood affected areas.



# WHY OCTOSAN?



**COST EFFECTIVE,  
OFF-GRID SANITATION**



**ENVIRONMENTAL**



**CONVENIENT**



**PORTABLE**



**ORGANIC**



**QUALITY & SAFETY**

# AN INTELLIGENT BUSINESS DECISION



## **Sustainability Impact**

Reduce your environmental footprint by adopting our water-efficient and waste-minimizing technologies.



## **Regulatory Compliance**

Stay ahead of environmental regulations and standards with our cutting-edge sanitation solutions.



## **Community Well-being**

Enhance the quality of life in communities by providing access to clean and sustainable sanitation facilities.



## **Investor Attraction**

Attract socially responsible investors looking for businesses committed to sustainable and ethical practices.



## **Employee Engagement**

Boost employee morale and retention by demonstrating a commitment to impactful environmental and social initiatives.



## **Brand Reputation**

Position your brand as a leader in sustainability and social responsibility.



## **Innovation Leadership**

Showcase your company as an innovator by implementing the latest in green technology and sustainable practices.



## **Cost Savings**

Eliminates many traditional expenses, including the need to install septic tanks, to deliver exceptional cost savings.

# OCTOPI

## Innovative Off-Grid Sanitation Solution

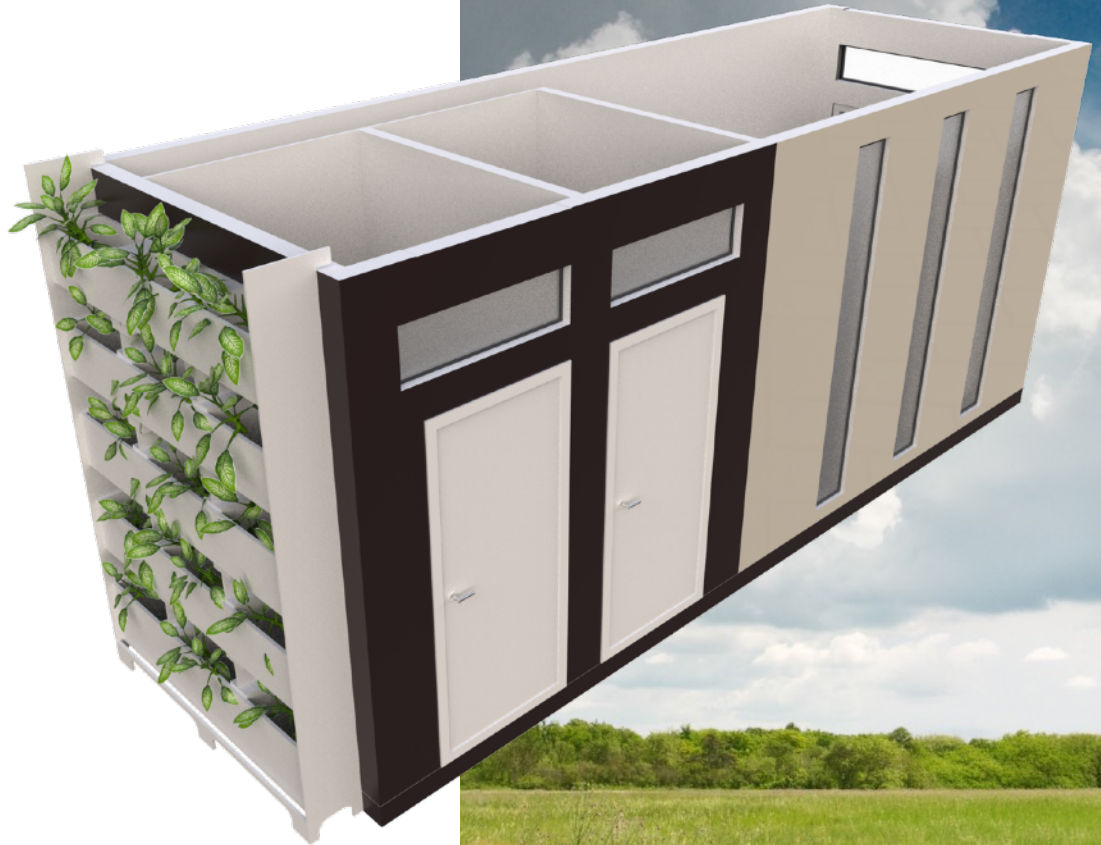
- Cost-effective & environmentally friendly
- Off-grid toilet cabins
- Cutting-edge on-board biological wastewater treatment

### Key Benefits:

- Cost-effective & environmentally friendly
- Off-grid toilet cabin
- Cutting-edge on-board biological wastewater treatment

### Features:

- Odor-free
- Organic
- Convenient
- Robust & reliable
- Scalable



# OCTOPI Applications

## System Specifications

- **Treatment Capacity:** 1 m<sup>3</sup> per day
- **Dimensions:** 20 feet container
- **Weight:** 2500 kg empty, 5000 kg when full
- **Material:** Durable Polyethylene
- **Warranty:** 5 years



## Remote Locations

Ideal for areas with limited or no access to municipal wastewater treatment

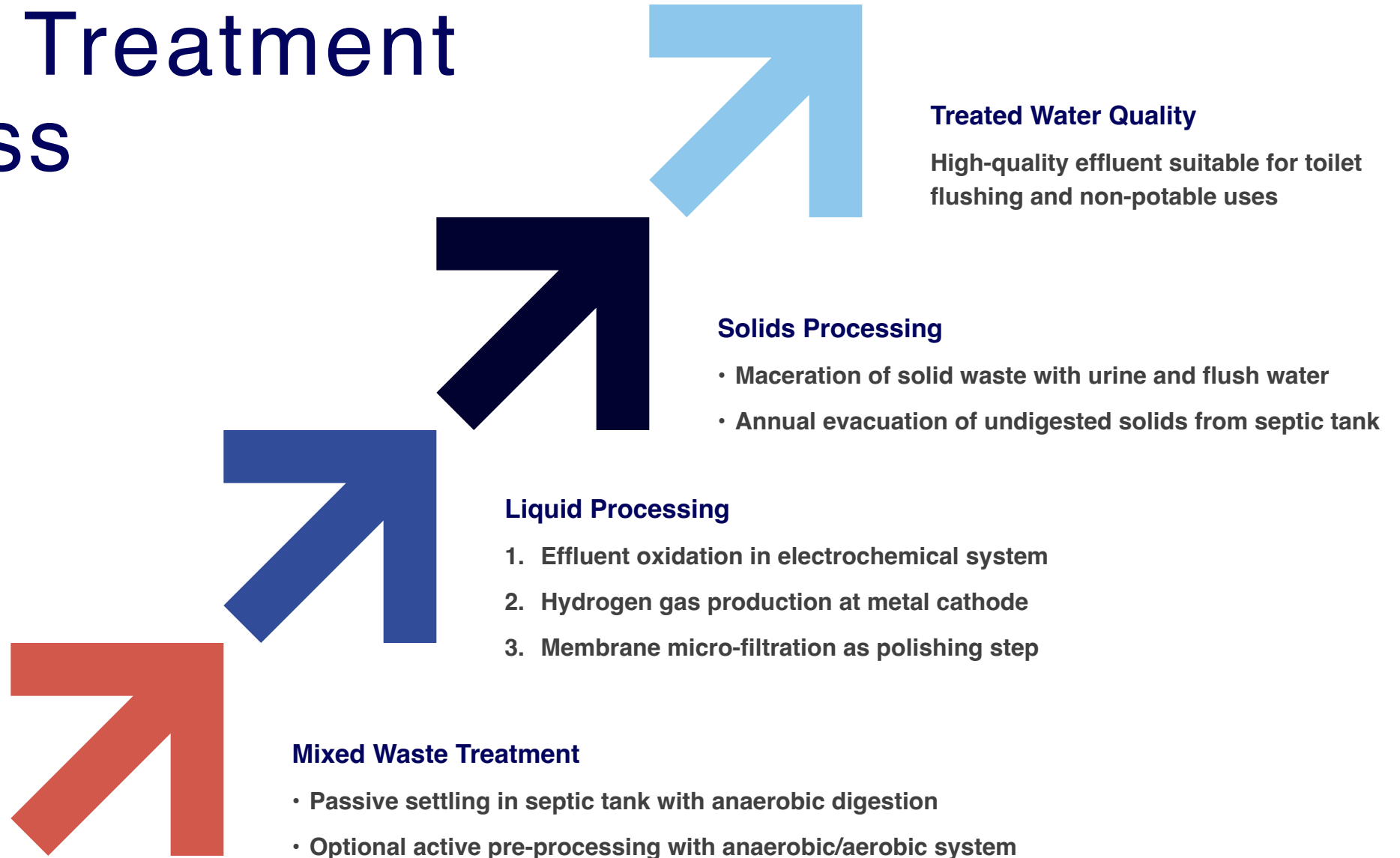
## Residential Use

Perfect for cabins, tiny homes, and off-grid dwellings

## Disaster Relief

Suitable for temporary housing situations during emergencies

# Waste Treatment Process





# Key Features of OCTOPI



## **Innovative Design**

Cutting-edge, ultra-compact treatment technology for maximum efficiency and hygiene

## **Transformative Technology**

Converts blackwater into clean, reusable water for flushing, washing, and irrigation

## **Greywater Recycling**

Safely recycles greywater for use in sinks

## **Enhanced Closed-Loop System**

Onboard wastewater treatment for effective sanitation and water conservation

## **Community Empowerment**

Essential sanitation solutions for remote or underdeveloped areas

## **Sustainable Living**

Holistic approach to water use and sanitation

## **Dignity in Sanitation**

Improves overall quality of life through proper sanitation facilities

# Anywhere Access to Water with OCTOPI

## ➤ Compact Design

Ideal for limited-space installations

## ➤ Cost-Efficient

Optimized energy and resource consumption

## ➤ Compliant

Optimized energy and resource consumption

## ➤ Water Conservation

Optimized energy and resource consumption



# OCTOFRESH

## Portable, Off-Grid Handwashing Station

### Key Features:

- On-board grey-water treatment system
- Sleek and cost-efficient design
- Environmentally friendly
- No water or drainage connections needed
- On-site water processing and reuse

### Perfect for:

- Enhanced hygiene in various environments
- Sustainable grey water management





# OCTOFRESH Applications

## ➤ Healthcare

Hygienic sanitation solutions for clean, safe environments

## ➤ Remote Locations

Ideal for areas with limited or no municipal wastewater treatment

## ➤ Sustainable Living

Perfect for cabins, tiny homes, and off-grid dwellings

## ➤ Schools

Supports sanitation education and promotes cleanliness

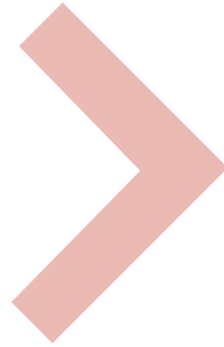
## ➤ Disaster Relief

Suitable for temporary housing during emergencies



# OCTOFRESH

## Anywhere Access to Water



**Remote  
construction sites**



**Ultramarathon  
events**



**Disaster  
recovery areas**



**City centers**



**Mountain top  
healthcare facilities**

# Key Features of OCTOFRESH



## Sustainability Meets Hygiene

- Clean water access for handwashing
- Reduced water waste
- Supports ESG goals

## Environmental Impact

- Contributes to UN Development Goal 6
- Reduces environmental footprint

## Versatile Design

- Fits commercial and residential spaces
- Sleek and user-friendly

## Cost Efficiency

- Reduces freshwater usage
- Lowers utility bills

## Promotes Health and Hygiene

- Clean water always within reach
- Supports healthier communities





# Technical Specifications

## Treatment Process

- 100% biological treatment
- Advanced membrane technology
- No chemical additives (except for cleaning)
- Compact and lightweight design

## Capacity

- 200 to 400 users daily

## Maintenance

- 6-month routine checks by trained technician
- Filter cleaning every 6-12 months

## Water Quality

- Meets stringent standards for safe, hygienic handwashing

## Safety

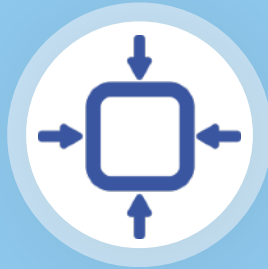
- Rigorously tested over 2 years
- Complies with national water quality and greywater recycling standards

## Warranty

- 5-year warranty

# OCTOFRESH

## Benefits



### COMPACT DESIGN

Ideal for limited-space installations



### COST-EFFICIENT

Optimized energy and resource consumption



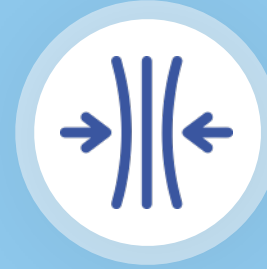
### COMPLIANT

Meets industry environmental, safety, and hygiene standards



### WATER CONSERVATION

Enables treatment and reuse of grey water



### PRACTICAL & RESILIENT

Designed for real-world applications



### COMPREHENSIVE SUPPORT

- Routine maintenance training
- Technical assistance

# Thank You

**FAST TRACK YOUR SUSTAINABILITY JOURNEY AND ORDER TODAY!**

PO Box 26197

Building 471

Road 4308, Block 343

Mina Salman, Bahrain

P: +973 1772 7063

E: [Info@octosan.com](mailto:Info@octosan.com)

W: [www.octosan.com](http://www.octosan.com)

