



Wastewater Treatment Sustainable Solution



AquaBioStep Water Treatment Equipment Trading LLC

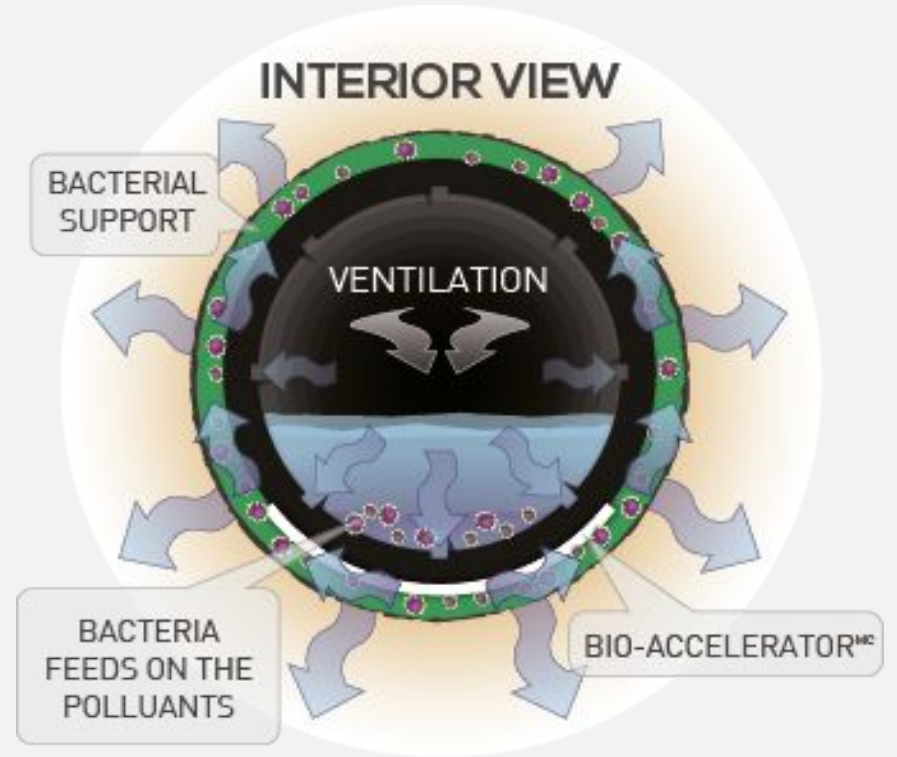
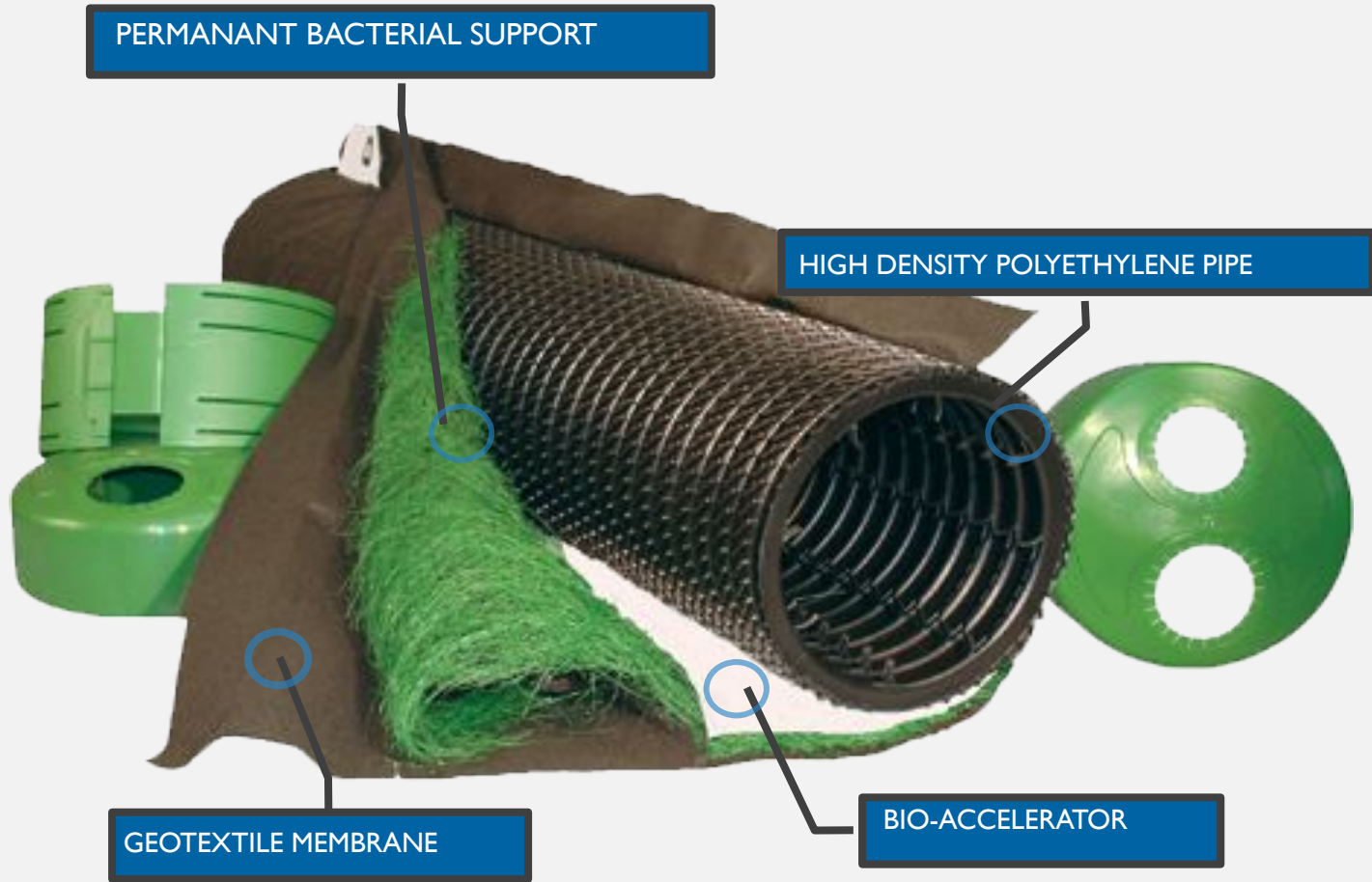


AquaBioStep
Water Treatment Equipment Trading LLC

أكوابيوستيب
تجارة معدات معالجة المياه وتنقيتها ش.م.م



- AquaBioStep holds the exclusive distribution rights in the Middle-East for the sustainable wastewater treatment **system O**, from the Canadian company DBO International **DBO** INTERNATIONAL .
- There are over 200 000 installations worldwide
- AquaBioStep provides a full turn-key solution from design to commissioning.



Green - Long-lasting - Cost-effective

For **isolated dwellings** &/or unconnected **commercial, community, institutional...** sites.

- ✓ RESIDENTIAL DEVELOPMENTS
- ✓ BASE CAMPS
- ✓ ACCOMMODATIONS (HOTEL, MOTEL)
- ✓ ROADSIDE STOPS
- ✓ COMPOUNDS
- ✓ VILLAGES
- ✓ SEASONAL APPLICATIONS
- ✓ AGRIFOODS INDUSTRIES
- ✓ MINES



What installations looks like

All over the world





Pilot Project with **DUBAI MUNICIPALITY**
Green space irrigated by a **Drip System** fed by **System ** treated wastewater.

Al Nahda Pond Park, **Dubai, United Arab Emirates**



System  treated wastewater contains the **ideal dose of nutrients** to irrigate **Gardens & Green spaces**

Sunflower crop field, School yard in **Lima, Peru**



Garden layout with pond **water discharge**

Public Park
Illifaut, **France**



Naturally **Green** with clean water evaporation

Gas Station
Tamezguida, **Algeria**

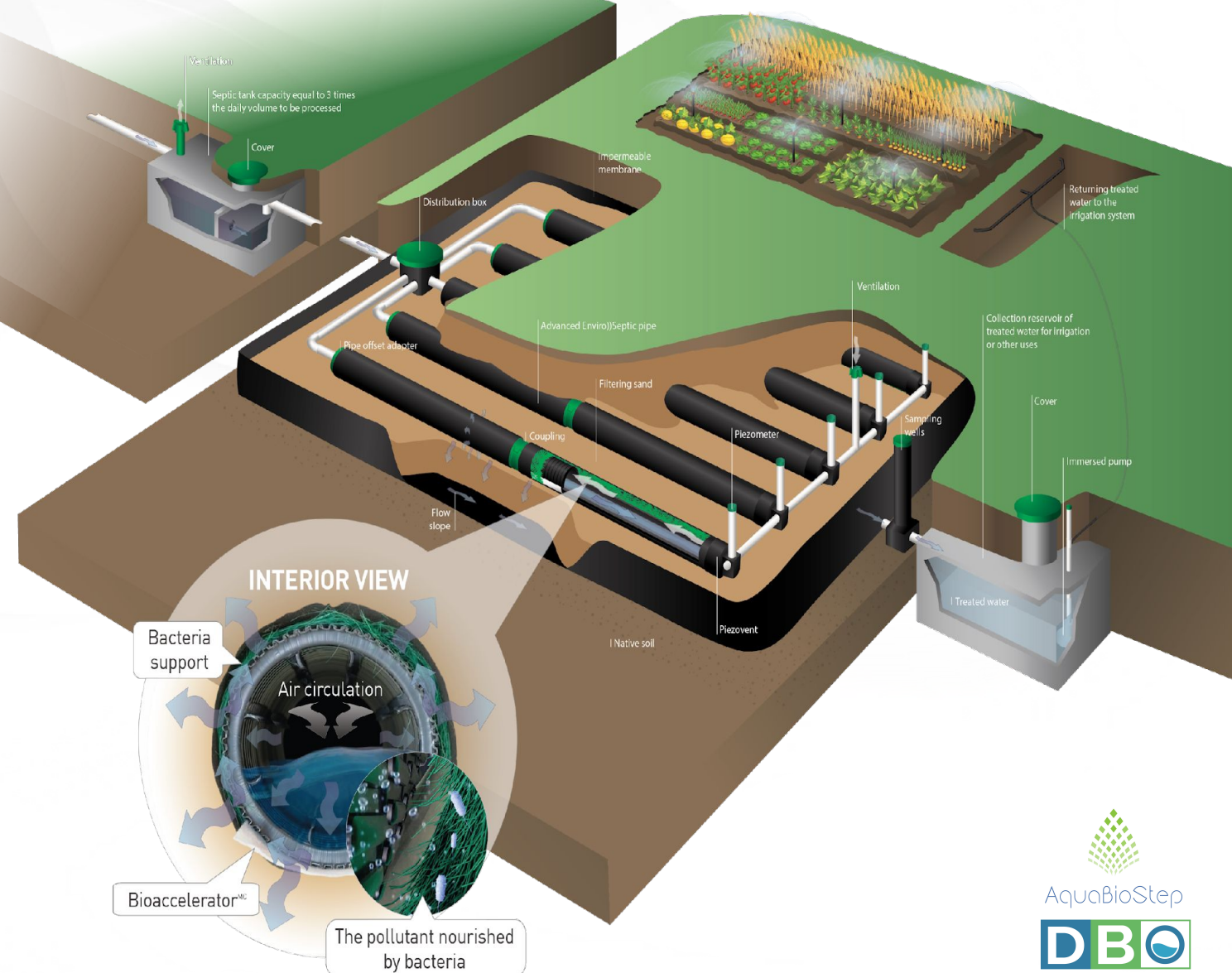


Reused in this **Gas Station**
for **Industrial Car Wash & Flushing in Restrooms**
resulting in **significant savings**

Gas Station
Yellel, **Algeria**

Sustainable technology Wastewater Treatment & Reuse

- 100% Biological
- 100% Autonomous
- No Energy
- No Moving Parts
- No Maintenance
- No Smell
- No Noise
- No Chemicals
- No Sludge

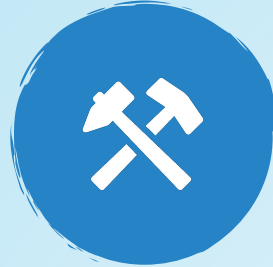


ADVANTAGES: OPERATION



No energy source required
Natural process & by gravity

Energy



Self-sustained system
20 years warranty
No clogging, no sludge

Maintenance



Adaptable to landscape
Ease for extension

Future extension



Fresh water spared
Collected water reused for irrigation / washrooms

Water



Redirect resources to other key activities for embellishment

Human Resources

ADVANTAGES: ENVIRONMENT



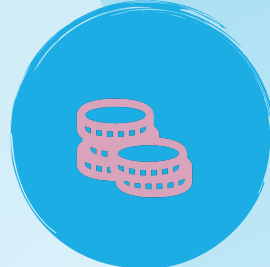
Reduction of noise, air and road pollution by removing trucks deliveries.

**CO2
footprint**



Enhanced Sustainability image and more appealing resort

**Customer
care**



Attract investors for future Eco-friendly projects

Investors



Align with UAE country Agenda on Circular Economy and Water & Food security

**UAE
Agenda**



Reduce impact of water consumption in the Desert area

**Water
conservation**

STP
Operation



Reduced volume to be treated by other usual STP (Sewage Treatment Plant)



Maintenance

Resource transfer
Improved productivity
No more planning (cleaning...etc)



Sewage
transport



Supply fresh
water

Fresh water savings



Transport fees savings

FINANCIALS
BENEFITS

RETURN ON INVESTMENT
< 2-2.5 YEARS



Treatment **results** exceed established norms & standards

	Results (Mg/L)		Standards (Mg/L)	
	Stoke Quebec 18 months)	BNQ Quebec 15 months	USA NSF-40	Canada BNQ 3680-910
TSS Total Suspended Solids	3,7	< 1	< 25	≤ 15
BOD₅ Biochemical Oxygen Demand	3,9	< 2	< 30	< 15



BEFORE



AFTER

By 2021 present in **over 25 countries**



Benoit Boucher
President - Founder



Mounir Lahmani
Managing Director



Marie-Pier Grégoire
Paralegal and development



Cheikh Mor Mbacké
Engineer



Marc Favreau
Draughtsman and multimedia



Yves Loïc Kouadio
Junior Engineer



Martin Corbeil
Supervisor



François Lawrence
Receiving shipper

Worldwide certifications & approvals.

“Solar Impulse” label, October 2020.

A Certification awarded to the **GREENEST & most SUSTAINABLE** solutions around the World.



Canada

CAN / BNQ 3680-600 for residential wastewater treatment and disinfection
CAN / NQ 3680-910 advanced secondary treatment and disinfection in Quebec for small (0.5 m³/day) and large projects (over 2000 m³/day)

<https://www.bnq.qc.ca>



France

- Ministerial approvals issued by the Minister of State, the Minister of Ecological Transition and Solidarity, and the Minister of Solidarity and Health: (n° 2019-008, n°2019-009) for drained and non-drained installations.
- Technical assessment issued by the CSTB (Centre Scientifique et Technique du Bâtiment): (n°17.1/18-333_V1)

<http://www.dboexpert-france.fr/lasociete/documntations-enviroseptic/>



United States

National Sanitation Foundation (NSF) Standard 40 Class I, Certificate #3U460-01 (09/22/09)

www.nsf.org



Europe

CE marking

Complies with NE 12566-A3



Belgium and Luxembourg

- **Belgium Benor Flanders:**
Batch system 0 à 50 EH : CRT/017-KW
- **Belgium Walloon Region SPW:**
(5 à 20 EH : N° 2017/12/206/A
21 à 50 EH : N°2017/12/207/A)