

# ADVANCED SOLUTIONS FOR INDUSTRIAL WASTEWATER TREATMENT

bluegen  
water

aqana

for generations to come

## Process Package

Proprietary technologies, design services and advanced equipment

R&D

# bluegen

## Financing Solutions

Tailor-made financial models

## Turn-Key Project EPC

For a seamless delivery

## Professional Services

R&D (pilot systems)

Process supervision

O&M

# ges

Global Environmental Solutions

# aqwise

Advanced technologies

# aqana

Anaerobic wastewater treatment solutions

**43M**

Nm<sup>3</sup>/year produced Biogas

**515M+**

m<sup>3</sup>/year treated wastewater

**280M+**

m<sup>3</sup>/year treated water

**470+**

Industrial deployments

**60+**

Countries worldwide

**550+**

Municipal installations



Founded in 1988



Owned by Generation (80%)  
and Migdal (20%)



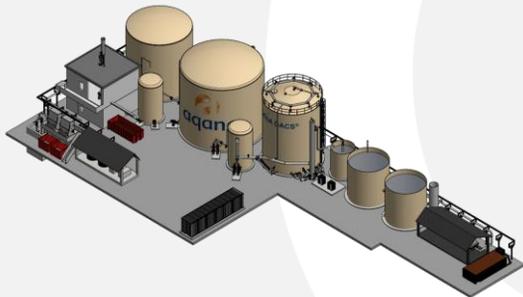
Vast experience in mega  
PPP projects



1,050  
Employees



AQANA is active worldwide and serves a wide variety of industries applying the most suitable technology based on case-by-case.



## Industrial sectors



Agro-industrial



Food & Beverages



Chemical and Petrochemical

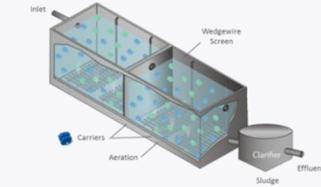


Pharma & Cosmetics

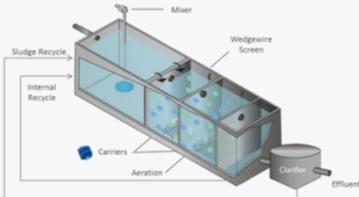


Plastic recycling

## AGAR® Aerobic Processes



AGAR® MBBR



AGAR® IFAS

### Carriers characteristics:

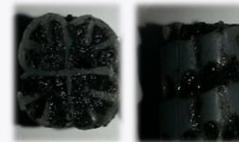
- Density 0.96 - 0.97 gr/cm<sup>3</sup>
- Highly open external design
- In HDPE
- Optimal effluent contact time
- Non-clogging / auto-cleaning
- >650 m<sup>2</sup>/m<sup>3</sup> effective surface area

*Granular-sludge-based systems, developed over 40 years ago, have a narrow operational window, heavily affected by influent conditions.*

*For this reason AQANA developed the DACS® system, a carrier-based anaerobic reactor.*

## DACS® Anaerobic Processes

DACS®





Laboratories



Field test facilities

R&D is in our DNA!

AQANA & BlueGen water are actively involved in the development of new and innovative biological solutions:

### Research Facilities

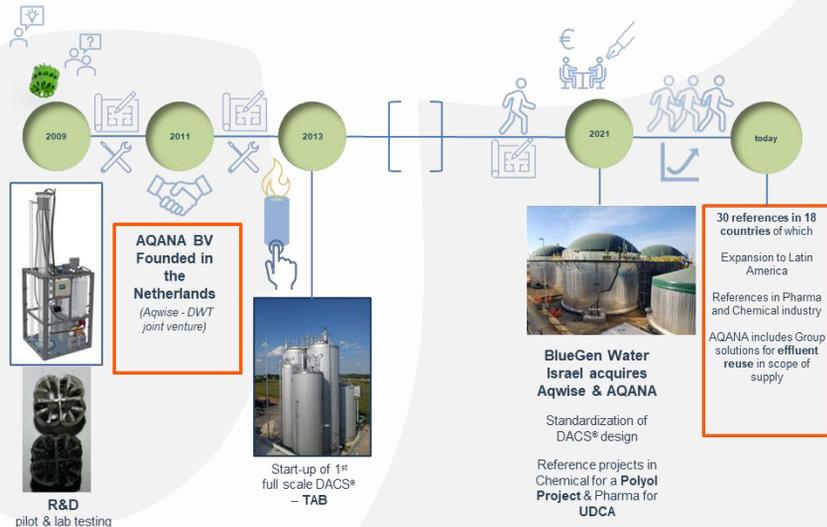
- R&D centers located in The Netherlands and Israel
- Biological process excellence center

### Wastewater Treatment

- Development of new technologies for changing standards
- Using expert field engineers' knowledge of customer production process to tailor the treated wastewater reuse

### Drinking Water

- Focus on efficient treatment of emerging pollutants





AQANA operates worldwide with more than 27 references and continues to innovate and evolve technologies and products to meet the ever-changing needs of the industry to preserve the environment.



for generations to come

**aqana**  
partnering with nature

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