

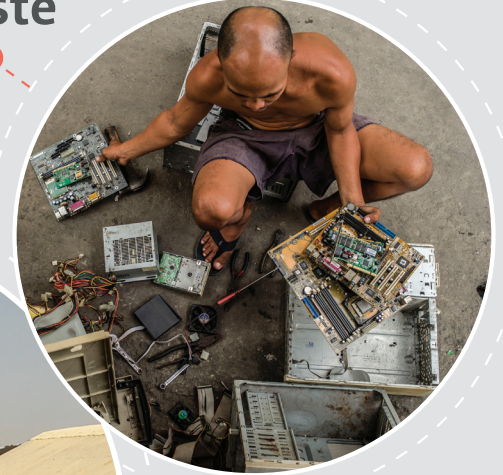
Veoliaforce

The Veolia Foundation Skills-based
Sponsorship Programme

Water



Waste



Sanitation



A strong commitment
to support our partners
in the implementation
and management of
efficient WASH services
while preserving natural
resources.

The Veoliaforce volunteers

SKILLED-BASED SPONSORSHIP

- A network of 450 Veolia employees from all Group businesses
- A wide range of expertise: water, sanitation, waste, air quality, etc.
- A pool of experts trained to deal with crisis situations, ready to be deployed in emergency contexts, supervised by the Veolia Foundation permanent team throughout their mission

- 450 volunteers
- Over 200 missions already conducted in the field
- 20 years of experience

A capacity for all phases of humanitarian responses:



Expertise | Reactivity | Commitment



The Veoliaforce interventions

EMERGENCY

- ☑ **WASH post-disaster assessment:** assessment of needs
- ☑ **Deployment of mobile water treatment units (WTU)** in emergency and self-contained: Aquaforces
- ☑ **Training** to operate the WTUs and tailored training modules (France & abroad)
- ☑ **Water quality analysis** (mobile field laboratories for potable water or waste water)
- ☑ **Water quality monitoring** in post emergency situations (construction of laboratories & trainings of laboratory technicians)
- ☑ **Rapid deployment of experts** in the field (operations and/or supervision)
- ☑ **Maintenance and assessment** of conditions for the deployment of equipment and stocks
- ☑ **Technical support** for WASH construction projects adapted to resources and needs



POST-EMERGENCY

- ☑ **Assessment and diagnosis** of damages on water & sanitation infrastructures
- ☑ **Action plans and structural improvement programs:** prioritization of short/medium term actions
- ☑ **Pipeline leak detection** on water networks and training
- ☑ **Topographic studies**
- ☑ **Project management assistance** and support for the follow-up of the works

DEVELOPMENT

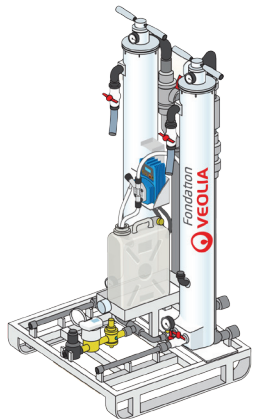
- ☑ **Assistance to contracting authorities** (master scheme, procurement)
- ☑ **Complex studies:** hydraulic modeling, design of treatment process for potable water and wastewater

Veoliaforce equipment

WATER POTABILIZATION

Solutions for water treatment in emergency situations

Aquaforce 2,000



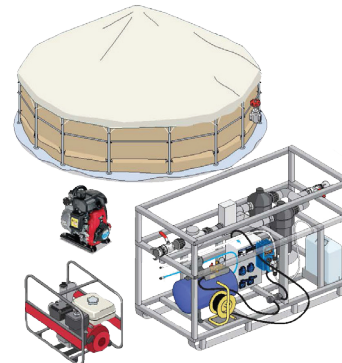
20 l/day for
2,000 people

Aquaforce 5,000



20 l/day for
5,000 people

Aquaforce 15,000



20 l/day for
15,000 people

Aquaforce RO
brackish water



20 l/day for
1,000 people

Mobile unit for the potabilization of salty water, the Aquaforce RO is coupled to the Aquaforce 2000

- **Innovations tested on many sites**, resulting from years of continuous improvements
- **Solutions designed** specifically for humanitarian needs and fit to treat a wide range of types of water
- **Equipment accessible** to a wide range of people thanks to adapted training materials (user guides, infographics, animation, cartoons...)

Adaptability | Reliability | Accessibility

Veoliaforce equipment

ANALYTICAL CAPACITIES & SANITATION

Resource and effluent analysis

WAFL
Water Analysis Field Lab



Mobile laboratory to analyze the quality of water or wastewater in the field.

FSFL
Faecal Sludge Field Laboratory



Innovation
2022

Laboratory to be deployed in degraded contexts and integrating a wide range of parameters necessary to monitor plants of fecal sludge treatment.

Fecal sludge treatment

Saniforce
Sludge hygienization



R&D

An emergency sanitation solution, based on the hygienization of fecal sludge through a methanization process. Objective: to eliminate pathogens present in fecal sludge in order to eliminate the health risk for populations in a degraded context.

Adaptability | Reliability | Accessibility

Innovation & prospective

A PERMANENT INNOVATION PROCESS IN COOPERATION WITH OUR PARTNERS

The Veolia Foundation, backed by the expertise of its committed employees, is deploying its strategy of adapting business technologies to constraints met by its partners in their areas of intervention. **An action-research program** built together with NGOs to test new operating methods and new equipment.

Three main fields of research:

Production, distribution and monitoring of water quality in emergency situations

Wastewater and fecal sludge management in emergency situations

Waste management and optimization of the treatment chain

A 3-step approach:

Analysis of the needs met by our humanitarian partners

Design of lowtech orientated solutions

Field experimentation

ONGOING: development of a remote monitoring solution for the Aquaforces ; Deployment of a UV-LED sanitization solution for some effluents of hospitals in Haïti



A recurring event:

WASH workshops, interprofessional meetings to address the technical aspects of innovation, review the state of the art, discuss research, pitfalls and share development opportunities.

Contact: fondation.ve@veolia.com