

Sotrad Water

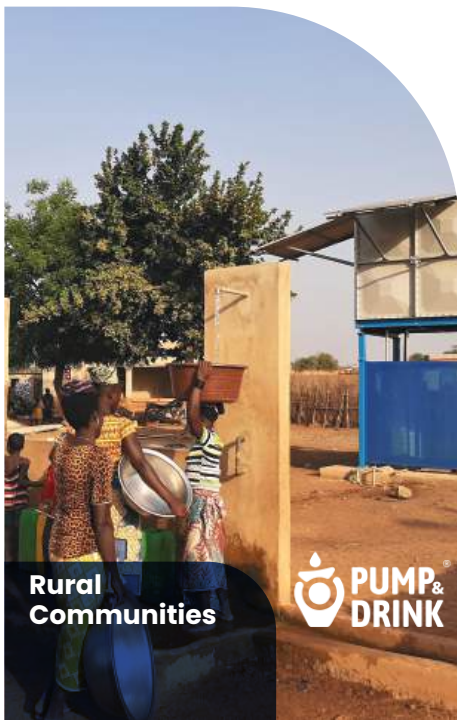
DRS
by SOTRAD WATER

**PUMP &
DRINK**
by SOTRAD WATER



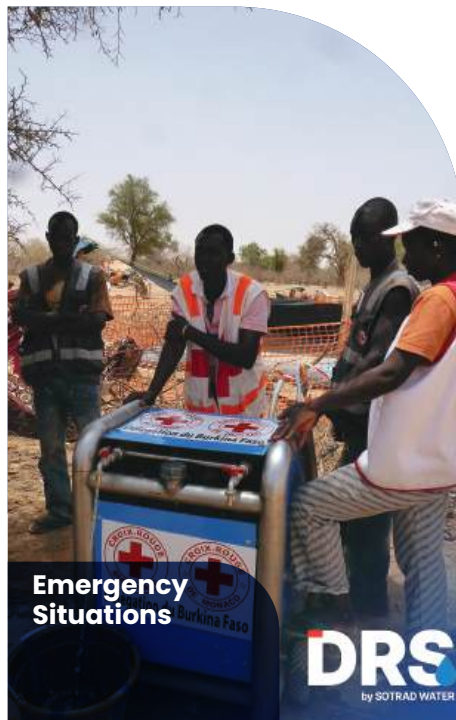
Innovative solutions

for rapid, sustainable access to water, dedicated to rural community development and emergency response in emerging countries.



**Rural
Communities**

**PUMP &
DRINK**



**Emergency
Situations**

DRS
by SOTRAD WATER



**Industrial
Sectors**

Our Mission

Sotrad Water combines innovation, sustainability and responsiveness to meet major challenges: guaranteeing water security, energy autonomy and boosting local economic development.

Sotrad Water contributes to the United Nations' sustainable development goals.



**SUSTAINABLE
DEVELOPMENT GOALS**



Member of
WORLD ALLIANCE
for EFFICIENT SOLUTIONS | by **SOLARIMPULSE**
FOUNDATION

History



Created in December

2009



Engineering and workshops based in

Nivelles,

Belgium.

A

team

qualified to ensure correct installation, assembly and commissioning of products on site.





Sotrad Water



Advantages of working with us

Sotrad Water's design office carries out the dimensioning, studies and technical drawings required for the proper execution of projects.

Design office engineers remain in touch with the field, regularly seconded on pre-study, installation and training assignments.

Missions

- Design and dimensioning of technical solutions
- Feasibility studies
- Research & Development
- Project supervision and management
- Technical support and training
- Emergency assistance



Trainings

- Theory on the basics of water treatment
- Hands-on experience in water and water compound analysis
- Theory and practice applied to units
 - Starting up the unit
 - Unit preventive maintenance
 - Troubleshooting and replacement of critical parts
 - Shutdown and winterization
 - Assembly and installation of the units

Pump&Drink®

Solar stand alone water treatment stations for rural communities and periurban areas.

CONTEXT

- Rural and periurban growth. Lacking drinking water infrastructure.
- Replacement of defective manual pumps.

NEEDS

- **Africa:** On average, 30% of hand pumps do not work (up to 60% in some countries).
- **Hand pumps:** low flow rate and difficult task often taken on by women and children.
- **Untreated** water as a source of disease.
- **Solar energy** as the only reliable power source.



Rural Development

Solar Irrigation for Sustainable Agriculture

CONTEXT

- Growing rural populations and evolving agricultural practices.
- Increasing demand for efficient and sustainable water management.

NEEDS

- Enhanced food security through reliable irrigation.
- Higher water efficiency and productivity (including off-season crops).
- Scalable solutions for both community and family farming (easy to install and operate).
- Solar-powered irrigation systems covering up to 1 hectare.



Modular Water Storage Solutions

CONTEXT

- Versatile storage solutions that can be installed anywhere—on the ground, elevated platforms, or integrated into existing infrastructure.
- Rapid deployment without heavy civil engineering, ideal for remote areas, industrial sites, and emergency setups.

NEEDS

- High-capacity, modular tanks adaptable to various terrains and applications.
- Durable, maintenance-friendly solutions with long service life.
- Quick and easy installation with minimal logistical constraints.
- Certified for drinking water storage, ensuring safety and compliance.





Disaster Response Solutions (DRS)

CONTEXT

- Natural disasters, conflicts, and failing infrastructure leave populations without safe drinking water.
- Rapid response is critical to prevent health crises and stabilize affected communities.

NEEDS

- Immediate, reliable drinking water supply in emergency situations.
- Mobile, autonomous, and easy-to-deploy purification units.
- Scalable solutions for various crisis scenarios (refugee camps, military, humanitarian aid).
- Low-maintenance systems with minimal consumables for sustained operations.

Industrial Water Solutions

CONTEXT

- Industries, hotels, and healthcare facilities require reliable, high-quality water supply.
- Growing need for customized, efficient, and sustainable water treatment solutions.

NEEDS

- Tailor-made purification systems for diverse industrial applications.
- Continuous, high-capacity water treatment ensuring regulatory compliance.
- Modular and scalable solutions for easy integration and operation.
- Energy-efficient and low-maintenance systems for long-term sustainability.



Ultrafiltration Solar Unit (UFS)

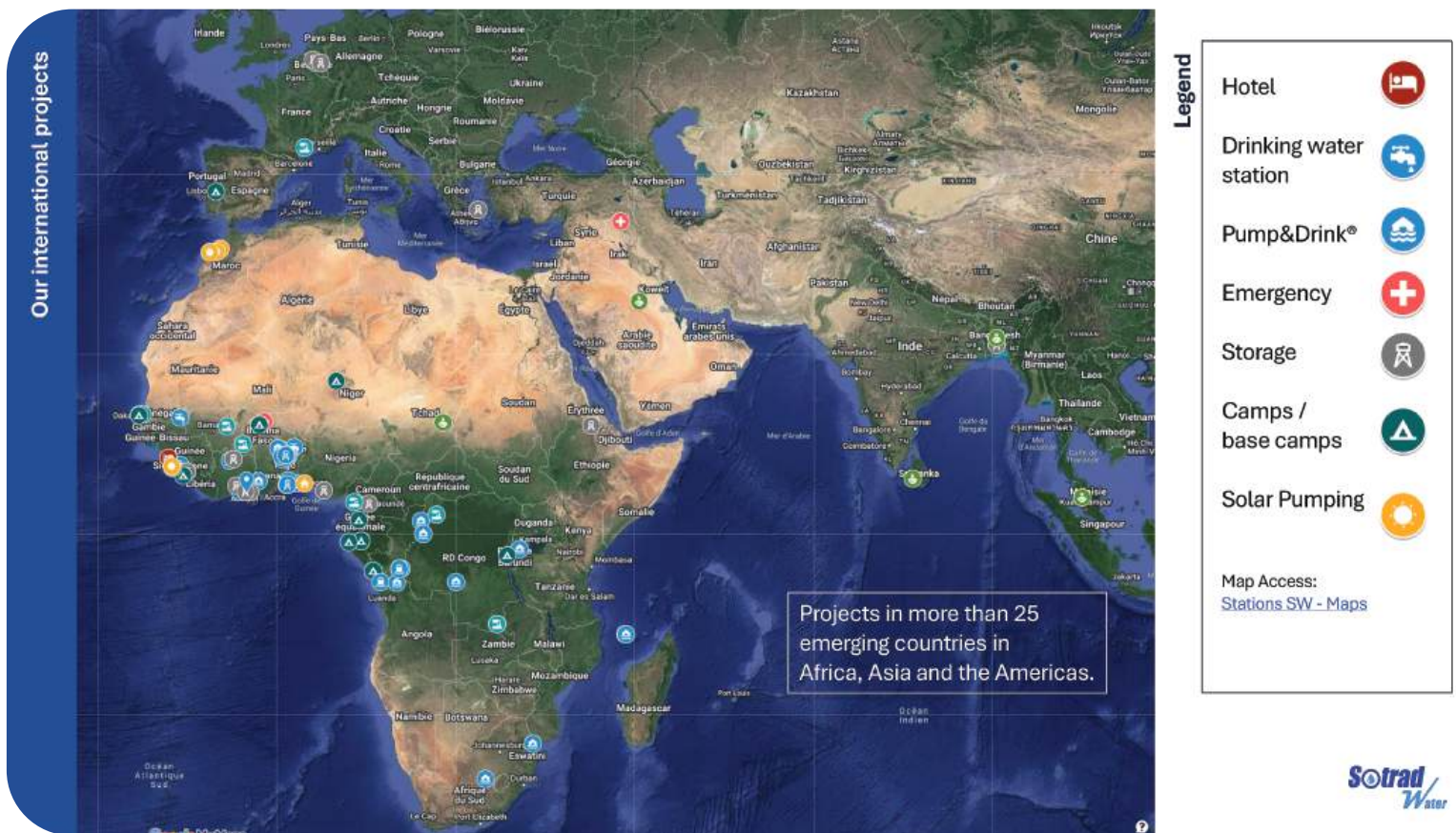
CONTEXT

- Autonomous water treatment solution for off-grid areas, remote communities, and decentralized infrastructure.
- Designed for easy deployment, operating entirely on solar power with minimal maintenance.

NEEDS

- Reliable, high-capacity drinking water production from surface or groundwater.
- Fully autonomous system powered by solar energy, ensuring sustainability.
- Scalable and modular design for communities, camps, and institutions.
- Easy operation and maintenance with remote monitoring capabilities.

Success stories



Sotrad Water

DRS
by SOTRAD WATER

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by SOTRAD WATER

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