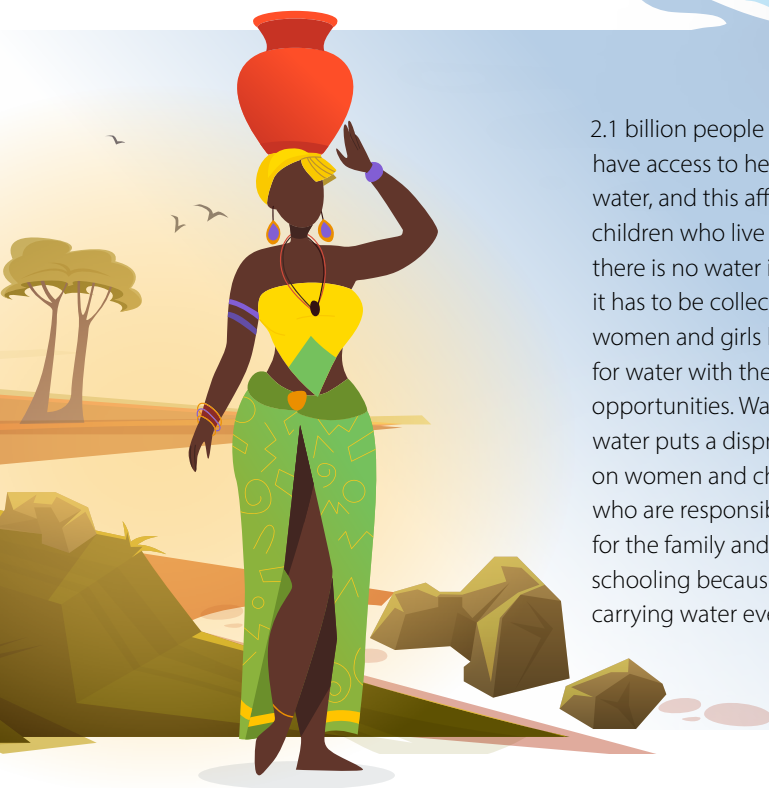


Close to customer drinking water supply system

High-quality, adaptable PurAID® drinking water systems for a changing world



2.1 billion people in the world do not have access to healthy, clean drinking water, and this affects the lives of the children who live in these areas. When there is no water in or near homes and it has to be collected from far away, the women and girls living there mostly pay for water with their time and their lost opportunities. Walking miles to fetch water puts a disproportionate burden on women and children, especially girls, who are responsible for providing water for the family and who are deprived of schooling because of the time spent carrying water every day.

“Everywhere you look, access to clean drinking water for basic hygiene is changing people’s lives. The needs are clear; the goals are clear. Women and children should not spend so much time on this basic human right.”

— Sanjay Wijesekere,
UNICEF’s global head of water,
sanitation and hygiene





Take action! Support children education and health! Engage your ESG social responsibility activities with PurAID® so children can have access to clean, healthy drinking water and they don't have to miss school to carry water home!

CLOSE-TO-CONSUMER TECHNOLOGIES CAN BE THE SOLUTION

Significant investment is needed to fill this infrastructure gap, which can only be filled by innovative, cost-effective and sustainable water solutions. Our PurAID® system offers an immediate solution for municipalities and institutions where investment-heavy centralised water treatment plants with distribution networks may take 3–5 years to achieve in a world economy struggling with scarce resources.



SUSTAINABLE WATER SUPPLY WITH THE PURAID® SYSTEM

The PurAID® is a sustainable and cost-effective, pallet-sized, mobile and modular water purification system, ideal for supplying water to rural and isolated areas. The unit is suitable for removing arsenic, iron, manganese, ammonia, fluoride, bacteria and viruses from groundwater, well water and existing but contaminated mains water. The filtration technology is based on in-house manufactured, Hungarian

regenerable adsorbents, which allows for a circular approach in both production and operation. The operation of the equipment does not require constant personal presence, and thanks to the PurAID® monitoring system, the it can be monitored and controlled remotely from the office. The monitoring system allows a larger area to be supplied with water at network level by connecting several units.



provide clean potable water by removing arsenic contaminants



plug and play, easy to put into operation



small footprint



can be used even in the less accessible rural areas



completely automatic system with remote supervision



modular solution to build up a network with 5–10 single units



transportable, compact, easy to install solutions



removal of iron, manganese, ammonia, arsenic, boron & iodine



less construction work required



chemical-free solution



can be operated either from a solar panel



re-generable adsorbents inside



Water service according to WHO standards

The United Nations listed PurAID® drinking water supply model among UN Acceleration Action initiatives.

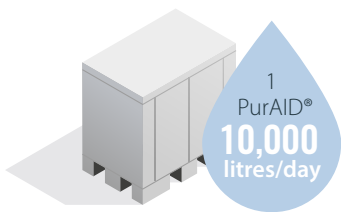
[PurAID® at UN SDG Acceleration Action website](#)

THE MODEL FROM AN ECONOMIC POINT OF VIEW

Capacity

Purified, purchasable water capacity of PurAID® is 10,000 litre/day (10m³/day) serving an average of 4,000* people with clean drinking water every day.

*2.5 litres/person/day based on WHO reference number



Investment requirement

80,000€ which mainly includes the centralization of the equipment, placed in a 20-foot container, equipped with an office, solar panels, transport costs, 500 water cans with the PurAID® brand, site design, installation, opening ceremony etc.



ROI

With continuous operation, the return on the investment can be estimated at 24–36 months, based on an optimal water volume of 5–6,000 litres/day sold in the present model. After 24–36 months, the local operator receives a stable income.



AFFORDABILITY WITH LOCAL EYES

Affordability for local entrepreneurs:

Provision of access to drinking water, initial investment under 25€/person, annual service provision under 5€, including return on initial capital costs.

Attractive incomes for schools:

In five years, this amount generates a significant profit. The solution can be complemented by awareness-raising, educational programmes.

Affordability for beneficiaries

(families): Safe water accounts for less than 3% of their monthly budget.

PurAID®-based water service is also offered as an educational program supplemented with attitude formation. In addition to children living in areas with insufficient drinking water supply, the PurAID®-based water supply placed in the spaces of religious communities and hospitals can be a solution for the elderly who also need attention.



RESPONSIBILITY

- the use of PurAID® water at school reduces school children's illness due to poor quality drinking water
- taking water from the PurAID® system is safe
- local jobs are created (operation and maintenance of PurAID® systems)
- growth of local businesses around the PurAID® water intake point, community building

ENVIRONMENTAL COMMITMENT

- no plastic waste is generated
- no water loss
- we do not use chemicals to ensure safe drinking water, the backwash water can be directed into an open ditch or sewer, thereby not polluting water source and contributing to the natural water cycle
- cleaning is done with renewable adsorbent materials, which is an environmentally friendly solution (no hazardous waste is generated after the treatment process)