

WASH Projects in Sierra Leone

CLEAN WATER



SANITATION



HYGIENE



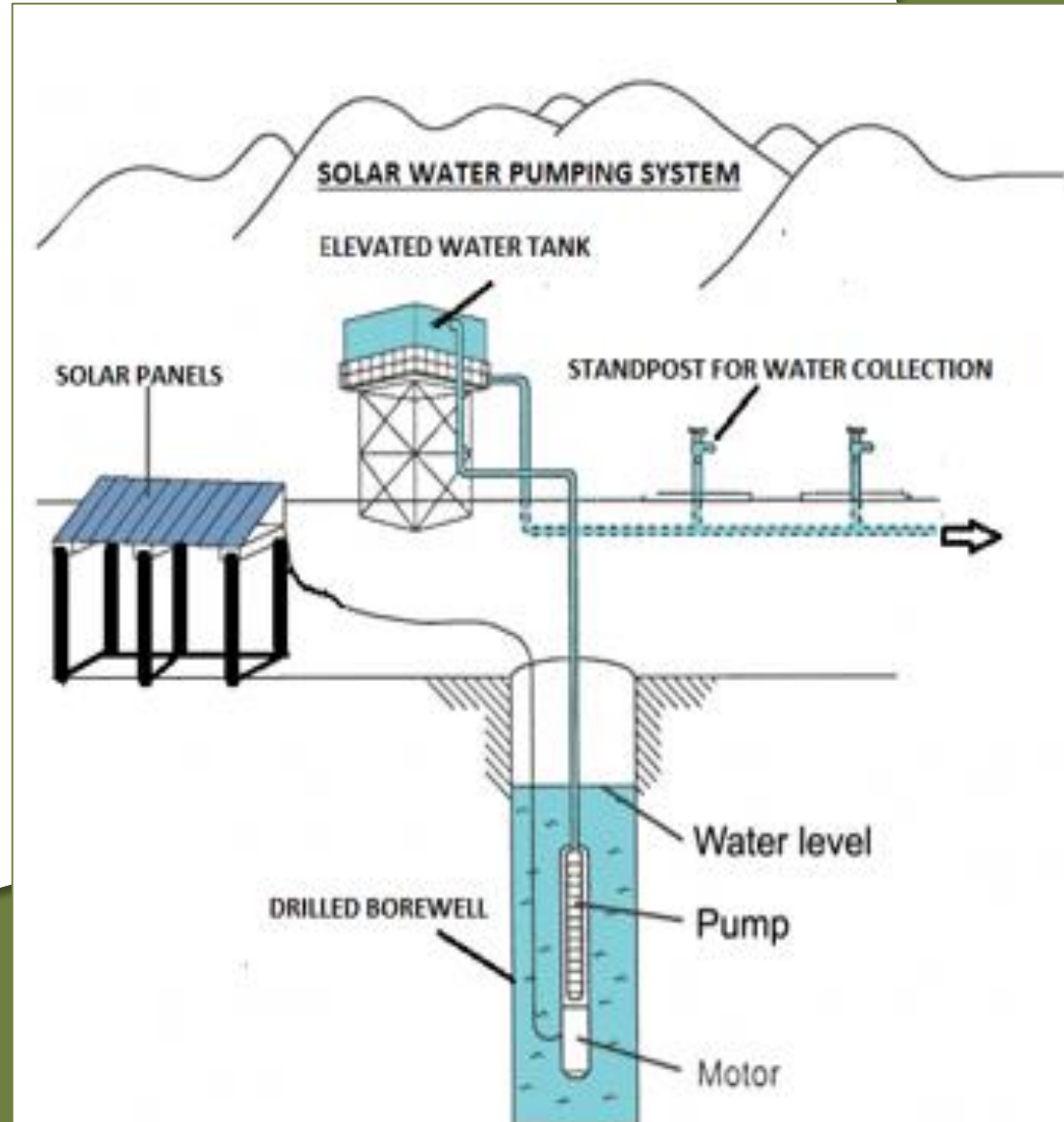
Simple water supply in 21 communities

- Hand dug wells (10-15 meters deep) and hand pumps established in 21 communities since 2013.
- Implementation of latrines using the Community Led Total Sanitation (CLTS).
- Collection and cleaning of rainwater.



Second generation water system

- The water system is based on a bore well (50-90 meters deep).
- Solar powered Grundfos SQFlex pump delivers the water into elevated reservoirs and distributes water to a number of stand post.



Water supply by solar energy in 2 villages

- Water system implemented in Gandorhun and Nomo Faama in 2017-2018.
- Water tower contain 20 m³ of water and the water is transported to 5 stand posts.
- The system delivers 20 liters per person per day all year.

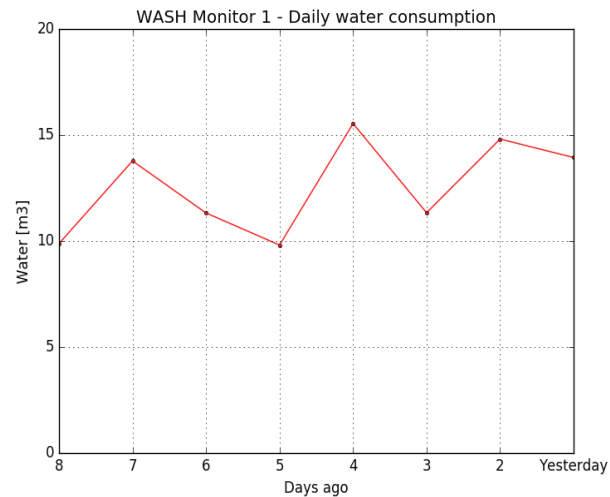
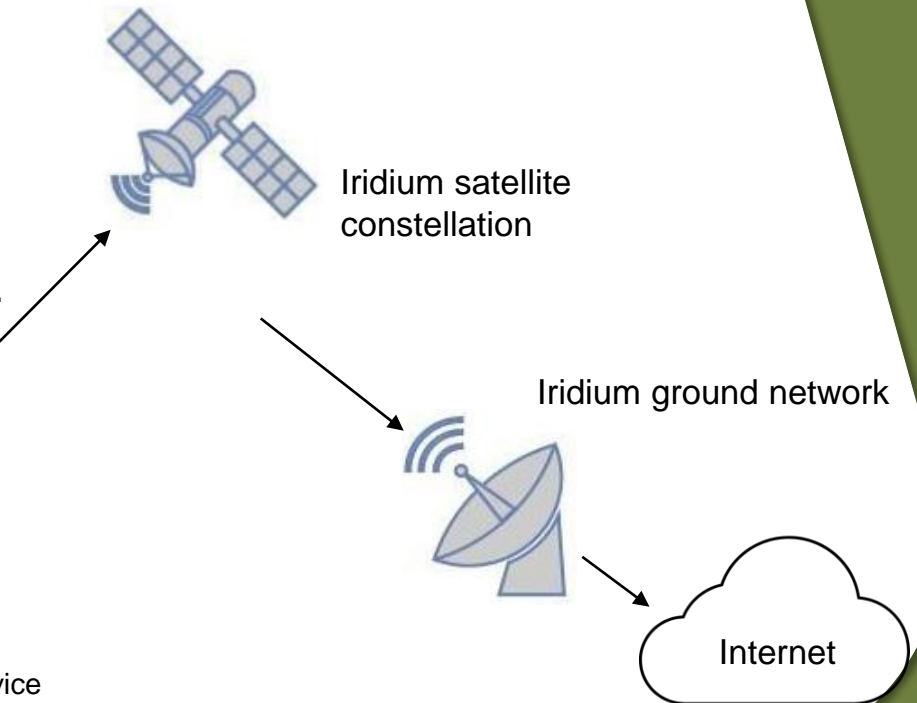


WASH Monitor 1 design

Data transmission solution allows service providers to monitor the function of the water pumps and to service the pumps on a "call in" basis.



WASH Monitor 1 device



Local ownership and capacity building

- High involvement of communities through digging of trenches and provision of local materials.
- Establishment of community water management committees and payment schemes to generate funds for maintenance.
- Training in hygiene practices, financing and conflict resolution.
- Collaboration with the district authorities in order for them to “host” new technology within their WASH strategy.



Contribution to sustainable development

- **Fighting water-borne diseases and improving health** by ensuring access to clean water combined with local hygiene education.
- **Community organization and capacity building** by entrusting the local community with the responsibility of managing, operating and maintaining the water supply systems and payment scheme.
- **Adaption to sustainable technology** by collaborating with district authorities to incorporate new technology in their WASH strategy.
- **Development of technical expertise locally** by involving community members and local providers in development and operations.
- **Consolidation of civic engagement in local policymaking** by ensuring that KDC in its management and operations engages the public and invites for democratic decision making.

