

UpPump

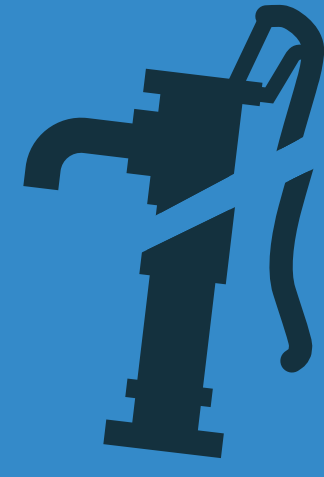
# Remote Monitoring



## The Key to True Sustainability

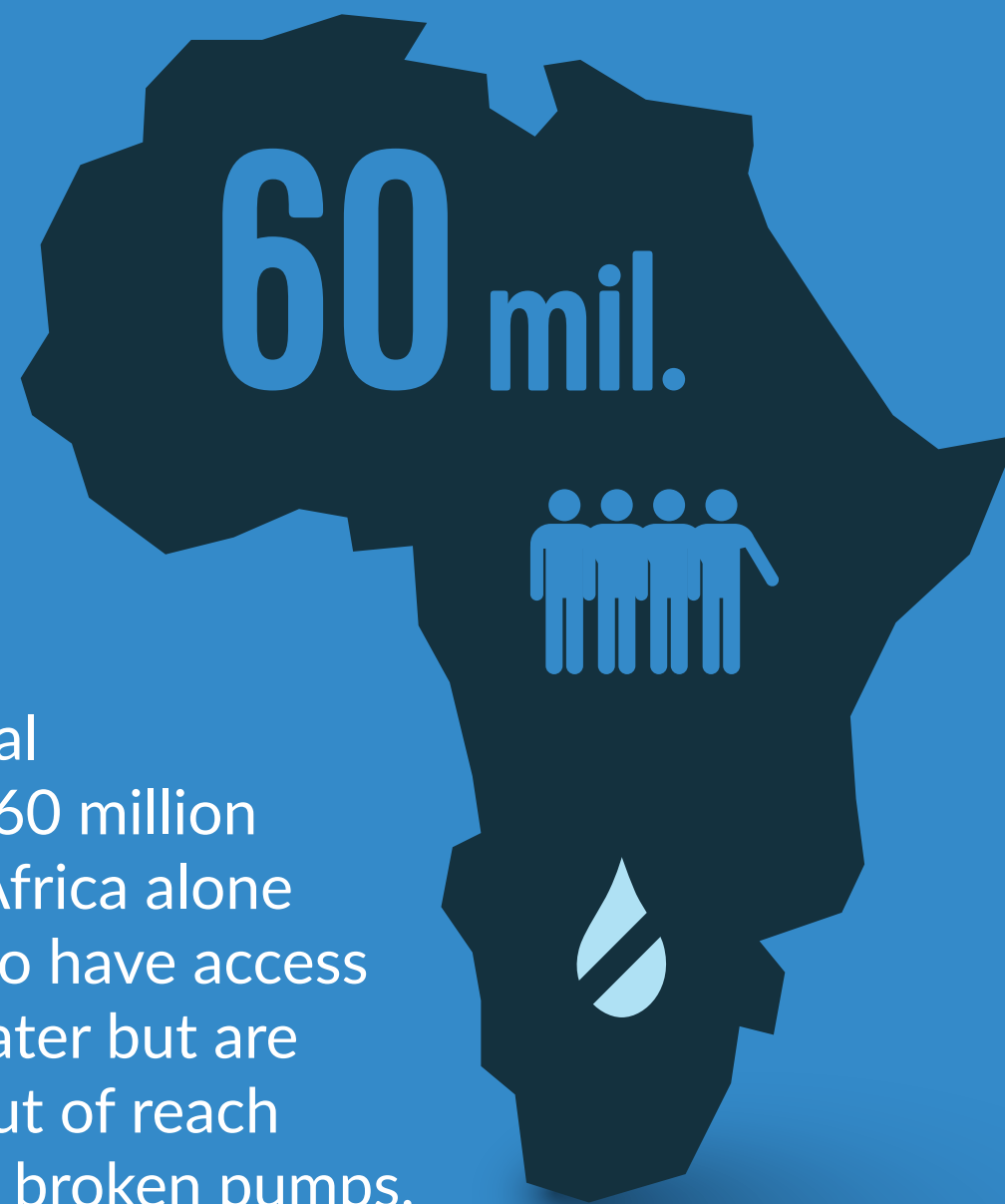


>30%



At LEAST 30% of hand pumps globally are broken any given time.

60 mil.



This is equal to at least 60 million people in Africa alone that used to have access to clean water but are now just out of reach because of broken pumps.

82%



18%



82 % of those who lack access to improved water live in rural areas, while just 18% live in urban areas.

\$260 billion/year

The World Health Organization (WHO) estimates lost globally each year due to lack of adequate water supply and sanitation.



Remote Monitoring Hardware

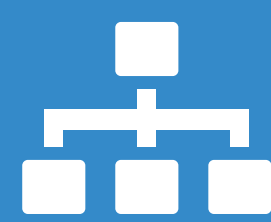
Remote Monitoring Software

- Central repository of data for hand-pumps and their locations.
- Using AI algorithms, data can be analyzed and valuable insights displayed.
- Social and crowd collaboration opportunities invented to increase per \$1 impact.
- Individualized well webpages allow for donor ownership and long-term involvement.

- Transmits data via cellular or satellite data to a centralized server.
- Can collect multiple data-points including flow, strokes, location, and time intervals.
- Automatically notifies well stakeholders of failure or impending failure so it can be repaired quickly.
- Accurate information that has never before been collected which could lead to huge developments in sustainable water delivery.



Improved village health, productivity, and growth



Centralized repository of drilling data, geological surveys, well locations



Improved strategic planning and decision making for funders and drillers



Receive up to daily feedback



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