



## Utility Platform

For strengthening partnerships  
of municipal utilities worldwide

# COOPERATION BETWEEN GERMANY AND TANZANIA FOR IMPROVED DRINKING WATER INFRASTRUCTURE

### Key facts

<b>Region:</b>	Northern Tanzania, Shinyanga & Kahama
<b>Timeframe:</b>	02/2022 – 04/2027
<b>Funding:</b>	German Federal Ministry for Economic Cooperation and Development (BMZ)
<b>Partners:</b>	KASHWASA, KUWASA, Netze BW Wasser, HAMBURG WASSER

### Objectives

The overall project goal is to establish a sound long-lasting cooperation in partnership between KASHWASA, KUWASA, HAMBURG WASSER, and Netze BW Wasser in terms of trust and relation.

The concrete goals and targets cover different aspects of improved operation and maintenance of drinking water infrastructure.

The following activities will be aligned with the existing projects of GLZ, if any, to ensure the synergies between the projects and to avoid duplications.

### Background

Municipal water and wastewater companies are key players around the world for sustainable prosperity and economic development. The Federal Ministry for Economic Cooperation and Development (BMZ) therefore started the utility platform to establish water operators' partnerships (WOPs) between German and international water operators. One of these WOPs targets the Tanzanian operators KASHWASA and KUWASA in Shinyanga and Kahama respectively.

The WOP has been running successfully since 2022 – sharing the knowledge of German operators through extensive advisory services and capacity development on all aspects relating to drinking water supply. Success key in WOPs is the peer-to-peer approach between the German and international colleagues.

- 1. Improvement of Water Supply Network Performance (NETZE BW/KUWASA/KASHWASA)**
  - a) Further isolation of pressure zones
  - b) Measure bulk water supply on zone level
  - c) Allocate business routes with pressure zones
  - d) Further asset management, specify water balance, etc.
- 2. Optimisation of treatment processes in the drinking water production (HW/KASHWASA)**
  - a) Filtration and chemical dosing
  - b) Disinfection: implement electrolyser system
  - c) Investigation on trace contaminants
  - d) Support & operation of treatment plant extension
  - e) Investigation on sludge reuse

**3. Advising and recommendation of the design and construction of a water treatment plant for rainwater treatment (HW/KUWASA)**

- a) Support of implementation of rainwater harvesting
- b) Review of concept and design specifications
- c) Support of planning process
- d) Support of commissioning
- e) Support of optimization of treatment efficiency and supervision

**4. Supporting the GIS unit (HW/KASHWASA/KUWASA)**

- a) KASHWASA
  - a. Continuous data updating
  - b. GIS SOPs, roles and processes
  - c. Fully operational webGIS
  - d. Securing the pipeline corridor
  - e. Integrated asset information for Water Utility Forum with GIS
- b) KUWASA
  - a. Finalizing asset and customer data gathering
  - b. Improve webGIS processes
  - c. Visibility and interaction with other units

**5. Management support and strategic planning (HW)**

- a) Institutional strengthening, strong management processes, budget, monitoring and evaluation
- b) Capacity development and training of staff
- c) Public awareness
- d) Branding of water



*Visit of treatment plant in Hamburg in May 2025*

## Approach

The overall approach is to establish an active network and knowledge platform that will support KASHWASA and KUWASA to meet their goals. To ensure that, the approach includes short terms visits in Tanzania by German peer colleagues, job shadowing in Germany by Tanzanian experts and the participation in events like the Hamburg Sustainability Conference, AfWASA 2025, GWOPA 2025, and IFAT 2026. Clear and transparent communication along with using synergies will increase and support the purpose.

The Utility Platform for strengthening partnerships between municipal utilities worldwide is being implemented by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) on behalf of the German Federal Ministry for Economic Cooperation and Development. The Utility Platform is being developed and implemented in cooperation with the German Association of Municipal Enterprises (VKU), German Water Partnership (GWP) and Engagement Global with its Service Agency Communities in One World (SKEW).



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