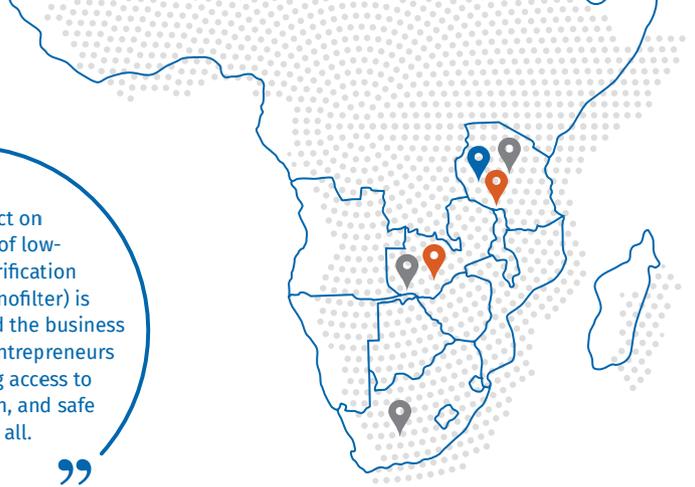




“ This project on the transfer of low-cost water purification technology (Nanofilter) is determined to build the business capacity of local entrepreneurs while increasing access to affordable, clean, and safe water for all. ”



## TRANSFER OF LOW-COST WATER FILTER TECHNOLOGY

### ABOUT THE PROJECT

This project endeavours to transfer low-cost water purification technology (trademarked as Nanofilter™) from Tanzania to Zambia, starting with the Kalulushi region. It targets economically challenged communities, building from pilot tests in Tanzania that have achieved sustainable revenue generation and social impact. Nanofilter is a new invention from the Nelson Mandela African Institution of Science and Technology (NM-AIST) in Tanzania and is a low-cost water purification system that increases access to clean and safe water and reduces waterborne diseases.

The pilot study will test the viability of setting Nanofilter distribution units (20 water stations) in less privileged communities in Zambia. These stations will target a case study community and establish a network of water stations involving local entrepreneurs, particularly women. The water stations will then facilitate Nanofilter distribution to community households, hospitals, schools, and other institutions, as is currently ongoing in Tanzania.

### KEY OBJECTIVES

- Establish 20 water stations in Zambia and pilot-study their commercialisation, operation, and adoption within 24 months.
- Increase access to clean and safe water to 2,000 people daily and prepare to scale up.
- Create job opportunities and training to 20 local entrepreneurs, particularly women, in Zambia
- Demonstrate a pathway for sustainability and scale-up of newly transferred technology through experienced project partners.
- Identify solutions to the challenges facing African engineering innovators who are seeking to expand innovation distribution networks beyond their home countries.

### PROJECT PARTNERS

Gongali Model Co. Ltd, Tanzania  
 Spot Agro Technologies, Zambia  
 Southern African Research and Innovation Management Association (SARIMA), South Africa



### PROJECT COORDINATOR

The Nelson Mandela African Institution of Science and Technology (NM-AIST), Tanzania



### IMPLEMENTING COUNTRIES

Tanzania, Zambia