



## Project Details

This project was conducted to assess the feasibility of introducing Japanese-style wastewater treatment systems called JOHKASOU in Uganda and to support future business development. During the project period, the regulatory environment, water quality standards, and operational practices related to wastewater treatment were reviewed, alongside interviews with government agencies and private sector stakeholders to identify market needs and challenges. Site visits and water quality testing were carried out at selected candidate locations to evaluate wastewater characteristics and treatment capacity requirements. In addition, the project examined the local procurement environment for construction materials and assessed the technical capabilities of local suppliers and construction companies to support scalable implementation. Stakeholder seminars were also organized both online and in person to promote understanding of the technology and to facilitate discussions toward pilot projects and future commercialization.



## Project Outcome

During the project period, interviews were conducted with government agencies, private companies, construction firms, and academic institutions to identify local needs and implementation challenges. Field surveys were carried out at 14 candidate facilities, which were evaluated based on wastewater volume, site conditions, and operation and maintenance capacity. Based on these assessments, 5 sites were shortlisted for water quality testing, and three sites were ultimately selected as pilot installation candidates, assuming treatment capacities of approximately 50–120 m<sup>3</sup>/day (equivalent to 250–800 users). Stakeholder seminars were also held both online and in person, with approximately 100 participants in total. These activities were featured in 10 media outlets, including television, newspapers, and radio, leading to concrete discussions toward potential pilot implementations.

## Future Business Development

Going forward, pilot installations of Japanese-style combined wastewater treatment systems will be implemented at the final candidate sites identified through this project, utilizing schemes such as JICA Biz and Global South-related grant programs. In the private sector, residential development projects will be used to verify operational performance and operation and maintenance requirements, with the aim of expanding deployment to future projects. In the public sector, pilot installations at market facilities and lake basin sites will be conducted to evaluate environmental impact reduction effects and support future large-scale adoption. Through these initiatives, the project will work with local partners to establish a sustainable construction and operation framework, contributing to improved domestic wastewater management in Uganda.