

South African Sanitation Technology Demonstration Programme (SASTEP): Open Call Calling for Innovative Local Sanitation Technologies.

The South African Sanitation Technology Evaluation Programme (SASTEP) is an initiative funded by the Department of Science and Technology (DST) and the Bill and Melinda Gates Foundation (BMGF), with the Water Research Commission (WRC) providing programme implementation and support services. The programme aims to foster a local sanitation industry (manufacturing and services) that would increase access to proper sanitation, reduce pollution, improve water security, create jobs and entrepreneurial opportunities and contribute to the country's GDP.

The programme is aligned to the Department of Trade & Industry (DTI) Industrial Policy Action Plan (IPAP) strategy to address commercialisation, localisation and manufacturing by bringing on board capable commercial partners to provide an industrial support base for the local and regional markets. The intent of the programme is to support and accelerate the application and uptake of the new sanitation technologies through demonstration, testing and science-based improvements towards localisation and industrialisation.

As part of this disruptive sanitation space we are seeking to identify highly innovative sanitation technologies. These technologies can be locally developed or localised international technologies. The intent of this call is to identify available innovative local sanitation technologies and solutions that can be further developed, piloted and commercialised, in achieving the objectives of SASTEP. Successful applicants will be assisted with further development (if required), followed by rigorous field testing and demonstration to evaluate end-user acceptance and commercial viability of the technology. Technologies that are successfully field-tested will then be matched with appropriate funding mechanisms to commercialise and take the final product to market.

The call is seeking to identify highly innovative sanitation technologies that meet but not limited to the following criteria:

- Innovative off-grid sanitation front end solution that require little or no water for flushing
- Urine diversion technologies
- Off-grid faecal sludge treatment technologies
- Off-grid blackwater treatment technologies
- Locally developed technologies or technologies that have already been localised
- Innovative sanitary pad disposal systems
- Innovative off-grids sanitation solutions that produce beneficial product from sanitation wastes

Sanitation solutions and technologies that have the potential to completely transform, minimize waste and/or recover water at fit for use quality will be preferentially considered for further development and commercialization.

REQUIREMENTS

The applicant should be able to demonstrate the underlying scientific principles behind the technology, provide the rationale supporting design features, fabrication and implementation costs,

operations and maintenance requirements, level of readiness for operation, target location (rural, peri-urban and/or urban), and detail any previous demonstrations/implementation (number of units installed, performance metrics, location, scale, partners, performance outputs) and desire to commercialise and take technology to market.

APPLICATION

Applicant should download the questionnaire from the WRC website:

<http://wrcwebsite.azurewebsites.net/mdocs-posts/local-sanitation-technology-scan-questionnaire/local-sanitation...-questionnaire-2/>

Completed questionnaire to be submitted to: rowenac@wrc.org.za by no later than Friday, June 28, 2019 by the close of business (16h00). Late applications will not be considered.

CONTACT

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