



## **WATER TECHNOLOGIES DEMONSTRATION PROGRAMME**

**(A partnership between the Department of Science and Innovation and the Water Research Commission)**

### **YOUNG ENGINEERS “CHANGEMAKERS” PROGRAMME: OPEN CALL**

#### **Training Opportunity for Young South African Engineers**

The **Water Technologies Demonstration Programme (WADER)** invites Expressions of Interest (EOI) from suitable candidates in response to the annual **WADER Young Engineers “Changemakers” Programme (YECP) Open Call** which focuses on selecting **young South African Engineers to be part of a 1-year training programme that will enable them to gain the necessary skills to drive municipalities of the future.**

The Department of Science and Innovation (DSI), in collaboration with the Water Research Commission (WRC), has established WADER to pull together the applied research and development and pre-commercialisation stages of the water innovation continuum. Acting as an innovation intermediary, the Programme’s mission is to facilitate high-level, collaborative technology demonstrators from the public and private sectors to maximise the potential of the water innovation value chain and contribute towards achieving technology deployment aspirations of the National Water Research, Development and Innovation Roadmap.

The objective of the WADER YECP call is to provide opportunities for young South African engineers to partake in testing potential innovative water and sanitation solutions in real world sites and gain the necessary skills required to drive municipalities of the future which are sustainable, liveable and builds socio-technical infrastructure and services.

All shortlisted applicants will go through an interview process with a panel of water and sanitation experts.

**20 young engineers will be selected through this competitive process and will have to partake in the various stages of the programme. There will be two streams that applicants can select to be a part of. The two areas are 1) Non-Revenue Water and 2) Water Sensitive Design/Nature Based Solutions. Each stream will be tailored to focus on information and innovations that are applicable to the selected area of interest.**

All selected candidates will be expected to attend the following soon after the programme commences:

- A Boot Camp
- An International Masterclass
- As part of the International Masterclass, candidates will be expected to work on a design process task which will address challenges in local municipalities. 4 top candidates will be chosen following evaluation of the design process task to partake in a one-week international exposure programme
- Local Site visits
- International Exchange (for 4 candidates)
- International Site visits
- Review and Feedback session

A total of between 10 to 15 working days will be required for each candidate to partake in various stages of this programme (interview, boot camp, international masterclass, international exchange/site visits for 4 candidates, local site visits and the review and feedback session).

Approvals for time off from work from respective line managers or leave days taken by candidate will be required for full participation in programme. Line managers or a representative from the respective municipality is encouraged to attend the feedback and review session which will take place when candidates return from the international exchange.

Selected candidates will be expected to commit to the whole duration of the programme (1 year). All costs related to the different stages of the programme will be covered by the WADER programme.

## Requirements

Candidates must be South African citizens or permanent residents aged between 20 and 35 years in possession of a four-year engineering qualification from either a university of technology or an academic university.

The applicant should have at least 2 years working experience in a municipal environment.

All applications should be submitted on the attached EOI.

**Preference will be given to candidates from rural municipalities.**

## EOI Submission

**EOI's in PDF format must be emailed to the email address provided below by close of business (16h00) on Tuesday, 13 December 2022. Late applications will not be considered.**

**PLEASE NOTE THAT COMMUNICATION WILL ONLY BE WITH SHORTLISTED CANDIDATES. IF YOU DO NOT RECEIVE A RESPONSE BY MID-JANUARY 2023, PLEASE CONSIDER YOUR APPLICATION UNSUCCESSFUL.**

## Contact

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