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UK South Africa Water Collaboration

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UK Research & Innovation



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Biological Sciences
Research Council



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and Social
Research Council



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Natural
Environment
Research Council



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Medical
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Council

Total budget:
£7 - £8 bn per year



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**We are the UK Innovation agency.
Our mission is to help businesses grow.**

Water & Innovation in the UK

- There are many challenges facing the UK water sector such as:
 - climate change,
 - population growth,
 - increasing water demand,
 - higher customer expectations and
 - increased environmental awareness

- This has driven growth in innovation across the sector with an increasing number of smaller businesses providing solutions

A Shared Challenge

- Water security, driven by climate change, is an increasing risk for both the UK and South Africa
- South Africa is already a water scarce country
- The UK will be experiencing the same challenges in the next 10-15 years
- This partnership with TIA provides a great opportunity for two way learning
- Fantastic opportunity for UK businesses to collaborate with South African partners

- Digitalisation and effective waste management systems are essential priority areas in the South African water sector.
- These areas of innovation contribute to responsible consumption, efficiency, and resilience, making them fundamental pillars for modern water security and effective water management.

Strong Sectors

- A recent piece of work by Isle Utilities shows that the UK water sector's top strengths are:
 - Data & Digital
 - Wastewater Treatment
- Provides a great match and huge opportunity for delivering collaborative and innovative solutions for the South African water sector
- Within the UK, there is strong knowledge in leakage, control systems, treatment processes and process control and expertise in sewage sludge to energy which will be valuable opportunities in the SA market

Successful Collaborations



With support from Energy Catalyst, **Inclusive Energy** has been able to scale Smart Biogas from a prototype to a fully-fledged commercial product.

They have successfully raised an equity investment of £428,000 on the crowdfunding platform Crowdcube, following Innovate UK funding



Energy Catalyst supported Uganda-based, **Aptech Africa** to demonstrate their Pay-n-Pump solution to local people. During these field trials, the Pay-n-Pump solution received a receptive and encouraging response from farmers, community groups and other key stakeholders.

The solution is now offered on a commercial basis.





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