

Satellite Water Leak Detection: A Hammanskraal Pilot Project

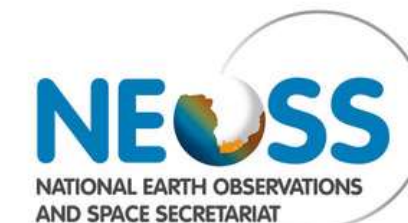
Obakeng Rankhumise
Co-founder (FieldServe)



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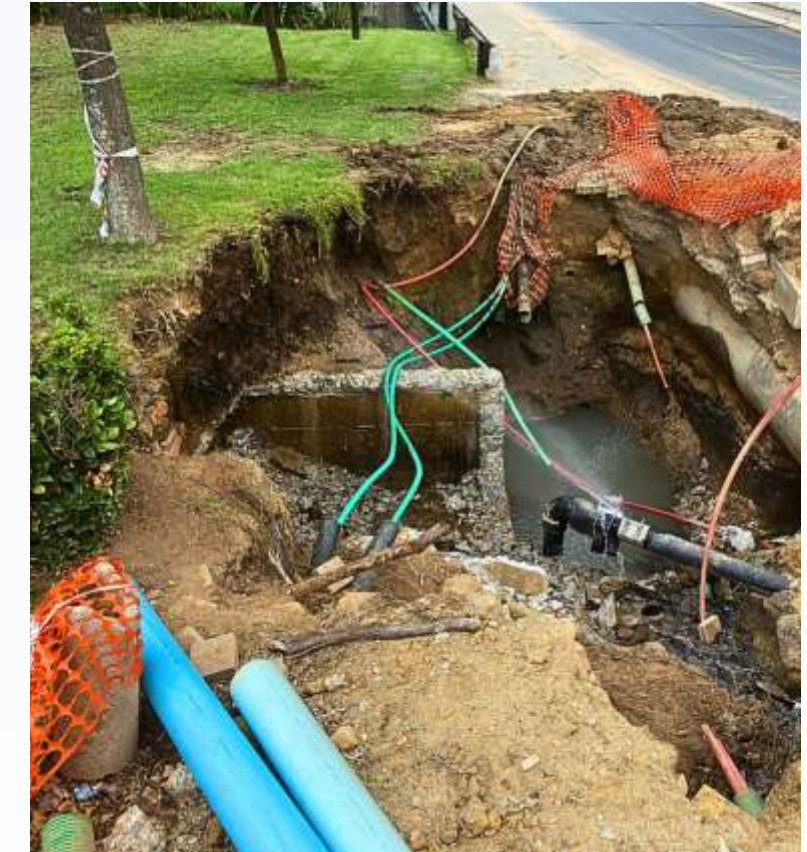
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Space for
Societal
Resilience,
Transformation
and
Intelligence

DATE: 20 – 22 August 2025

What's The Problem?



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Finding The Leaks



TECHNOLOGY	COST (R/Km)	CHALLENGES
Tethered System	85 000- 200 000	Range and cost
Smart ball	49 000-100 000	Range and cost
Listening Sticks	30 000	Range and reliability
Satellites	9800.00	?



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Marketing Fluff



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Copy Cat Approach



- Retrospective analysis
- Groundtruthing
- 71% Accuracy
- The science is solid...sort of
- More verification
- Local Pilot to National Integration



Thank You

OBAKENG RANKHUMISE (FieldServe)



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