

# UbuntuBlu Mobile Testing Lab

## Industries for this invention

- Water testing Laboratories
- Water Service Authorities
- Research Institutions
- Farmers

## Innovation Status

TRL 9  
Proven system ready  
for full deployment

## Inventor(s)

Prof Tobias Barnard  
Dr. Kousar Hoorzook

## Contact

Ms. Ruwaida Mohideen  
+27 (11) 559 4555  
ruwaidam@uj.ac.za

Ms. Phumela Phungula  
+27 (11) 559 3747  
pphungula@uj.ac.za



## Invention

UbuntuBlu is a mobile testing laboratory that is able to conduct on site standard physic-chemical, basic microbiological and chemical analysis as required by the South African National Standard for drinking water quality. This mobile laboratory is designed to be transported to affected areas and analyse samples on site.

## Problem Solved

Currently water quality monitoring in areas affected by water related disease outbreaks is difficult due to lack of access to laboratories. Valuable time and money are wasted transporting samples to fixed laboratories for testing. Local municipalities also struggle with access to local laboratories or suitably qualified personnel to do water analysis. There is a need to provide more specialised water testing laboratories, especially mobile ones to analyse samples in the field or at the water outbreak site and therefore provide a full service.

## Application

For use by any organisation, private person or governing body that requires efficient water testing that is quick, cost effective and on site.

## Advantages/Value proposition

- Mobility that enables on site testing
- Access to skilled resources
- Significant job creation opportunity
- Fast, sensitive, cost effective and efficient water analysis

