



## Technological Plumbing Solutions

Founder: Thulani Khumalo

*Selected as one of the top 50 solutions worldwide by the SDSN Youth solution report 2019 addressing the SDG goals.*

Founded by Thulani Khumalo in 2016, and operating from Soweto, Johannesburg, Technological Plumbing Solutions (TPS) is a township-based, for profit artisan social enterprise that addresses sewage overflows which brings with it pollution and contamination of water sources in residential areas, b2b premises and venues with high traffic volumes. The company has designed a device called “Prev leak” to detect and report blockages via sms and email. Adopted as a Community project, Prev Leak allows locals to be early informed of any blockages within their area after which, locals can then self-respond before sewer starts to overflow. This reduces the occurrence of spills into residential areas and water bodies.

Its mission is to introduce impactful water loss and wastewater preventive Solution that incorporate quick artisan response for public and private sector, to empower clients and communities. Also to introduce unique environmental conservation technologies and services that are Impactful for households and industries.

### **VALUE PROPOSTION**

Prev Leak activities are directly addressing SDG indicator 11, improved water source, piped % of urban population with access. The project positively contributes to this indicator by preventing raw sewage from overflowing into residential areas and the environment.

### **HOW TPS HELPS**

TPS engages with local municipalities, town councils and corporates offering a monitoring system combined with specialized fixed hardware to analyse, collect data and transmit notifications on a daily basis. This enables TPS to help clients to prevent sewer and geyser malfunctions from disrupting their normal business day.

## **FOUNDERS**

**Thulani Khumalo**

**Director**

Thulani was born and is based in Soweto. After completing school, he acquired a Certificate in Marketing through the University of British Columbia. Thulani has had vast experience in the plumbing industry and was contracted to head up an installation team, to install smart meters in Johannesburg.

[www.technologicalplumbingsolutions.co.za](http://www.technologicalplumbingsolutions.co.za)

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