

HONEYWELL'S SMART WATER METERS

Transform Accuracy, Revenue And
Leakage Performance In South Africa

Case Study

**MARK SHAMLEY,
REGIONAL BUSINESS LEADER:**

“The previous water meters were buried and never read. But now it takes just 3.5 hours to read the 861 units currently operational in Jansenville, with accurate data being provided for the client.”



Honeywell

The installation of smart water meters in Jansenville, in the Eastern Cape of South Africa, has helped reduce water leaks and enabled the municipality to capture water meter readings accurately and efficiently.

THE NEEDS

Jansenville is a town in the Cacadu district municipality, which in turn, is part of the Ikwezi municipality. It covers about 25km² and has 1,600 residential units, with approximately 6,000 residents.

Honeywell Smart Energy was approached by the then Department of Water Affairs to help them accurately record the water used by Jansenville residents and businesses.

At that time not all the properties in Jansenville had water meters. This meant that the municipality received a flat rate from all consumers, regardless of the amount of water that each consumer used. Water was also being lost through leaks.

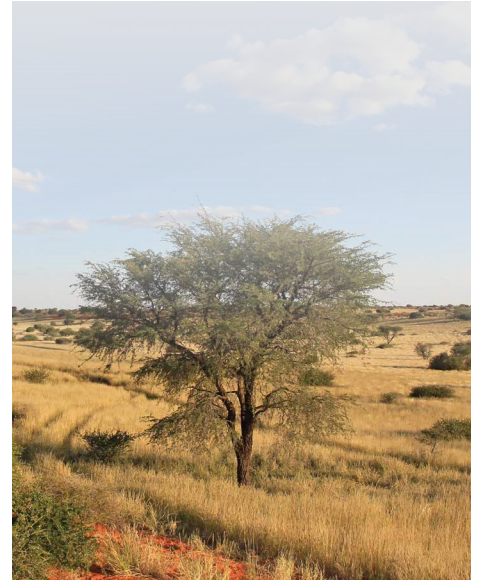
THE SOLUTION

It was proposed to use technology that would provide accurate billing through efficient water-meter readings in the area. The project was conducted in two phases. Honeywell Smart Energy initially supplied and installed 861 smart water meters for residential and business premises in Jansenville. The municipality also ordered an additional 750 meters to complete the second phase of installation.

THE BENEFITS

Honeywell Smart Energy has transformed the provision of water metering in Jansenville for the municipality. Some of the key benefits include:

- Automatic meter reading (AMR) technology helps water meter readers to obtain an accurate reading and allows for water meters to be read in any sequence and also remotely.
- Digital – instead of manual – data transfer eliminates manual incorrect readings and billing.
- The likelihood of water meter theft has been reduced because the meter is contained in a plastic-polymer housing and has no internal metal components, making it worthless on the scrap metal market.
- Ultraviolet-stabilised virgin plastic is used to manufacture the housing which improves outdoor durability.
- Reliable radio communication provides accurate consumption values enabling identification of abnormal flow rates for detection of leaks early, significantly curbing water waste.



For more information

www.smartenergy.honeywell.com

Elster Kent Metering (Pty) Ltd

56 - 64 Commando Road,
Industria Ext 2
Johannesburg, 2093
South Africa
T +27 (0) 11 470 4900
F +27 (0) 11 805 1554

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