

Improve Service Delivery for Municipalities and Providers



Municipalities are responsible for providing Service Delivery to its people such as drinking water supply, electricity supply, water and waste, transportation and traffic policing.



The Executive Mayor and the Mayoral Committee have a political responsibility for sound governance and effective service delivery, promotion of economic growth and development, management of the city's physical development,

promotion of the well-being of the community at large, safety and security, preservation of the city's natural and cultural resources and the strengthening of the city's national status as a capital.

Municipalities face challenges to better managing its assets, improving risk mitigation, promoting sustainability and reducing water losses and water costs and electricity outages. Most of the Municipality large-diameter pipelines, which account for a significant proportion of the company's assets are, on average, between 30 and 50 years old, and therefore require ongoing monitoring and repair. Water leaks and pipe bursts do not only result in



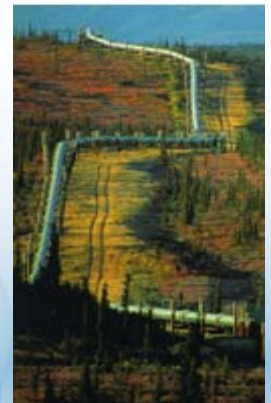
loss of revenue for the Municipality – there are several other implications to be taken into consideration. About some 400-million people in Africa are without access to clean, potable water, so water loss



through pipe leakages and bursts should be viewed "extremely seriously". In average water-loss levels by water providers in Africa are estimated at between 40% and 60%.

Pipe bursts usually result in severe environmental, infrastructural and cost repercussions, for both the water utility and the affected communities.

ESS has specifically developed monitoring equipment called Wireless Wide Area Telemetry (WWAT) for use in the continent of Africa. It has benefits for municipalities and providers to include early-water-leak detection or early fault detection for electricity supply equipment (transformers, substations etc).



Early warning will inform maintenance staff before the problems arises, thus decreasing the occurrence of water and electricity-supply disruptions. ESS equipment will assist in reducing risk-insurance premiums, which improve the cost of water and electricity.



ESS is a South African company with in-house design team and with proven track record in wireless telemetry.



Tel: +27 (0) 12 808 1382
Fax: +27 (0) 12 808 1474

e-Mail: sales@e-s-s.co.za
Web: www.e-s-s.co.za

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