

Preventing water loss and protecting your municipal assets

South Africa is not a water rich country and yet we lose a substantial amount of treated water through leaking pipes, inadequate infrastructure, database weaknesses and poor management and controls.

Digital solutions such as mobile applications and data management solutions can make a significant impact on these water resource challenges.

Applications and associated data management systems can improve field data collections, provide automated analysis and reporting as well as allow for efficient deployment of repair teams in response to fault reporting. In addition, mobile digital solutions can ensure accountability on the part of those repair teams.

Customised digital systems can assist managers to close the loop of fault repairs from identification through to repair verification. A data repository of faults and repairs will be collected, and this will allow the generation of fault heat maps so that targeted asset management programmes can be implemented.

Municipal water and sanitation teams need to move forward from the old approach of field audits on paper and data captured on PCs waiting to be lost or forgotten. Accessible, accurate data needs to be captured and stored on digital platforms in order to allow our municipalities to provide the services that residents are expecting.