i-SMS

STORMWATER MANAGEMENT SYSTEM

Given the prominent nature of stormwater within the roads environment, the i-RAMS solution, by implication, had to address stormwater. This is catered for by the i-SMS.

i-SMS OBJECTIVES

The main objective of the i-SMS integrated stormwater management system is to manage rainfall run-off by making relevant information available to stakeholders in order to:

Key Features

- *Minimize* disruptions and damage.
- *Utilizing* the benefits of rainfall run-off
- *Optimise* the funding towards stormwater management
- *Identifies* areas & developments with high flood risk
- *Achieve* asset management compliance
- *Estimates* replacement value of assessed network
- *Provides* Condition & Functionality Reports
- *Address* Absent & Insufficient Infrastructure
- *Video Logging* of spesialised condition assessments

Functionality

Incorporation and Verification of all "As Built" data through i-RAC system

Hydraulic modelling of urban and rural areas

Identifying optimum Upgrading and Maintenance activities

Decision support with hydrological analysis

Supports input from various hydraulic modules

Identifies strategic importance of links

Quantifies potential flooding risk

Optimised Budgets

Video Logging

- *Web Based* • *Advanced Mapping Engine*
- *Asset Statistics* • *Management Dashboard*