

Malaysia Kota Kinabalu Smart Water Management

- Smart** ✓ from Intake to TAP by ICT
- Water** ✓ Real-time Info. to Customer
- Management** ✓ Safe & Reliable Water Supply

Installation of Smart Meter, W.Q Meter

Smart Leakage Monitoring Diagram

Leakage Monitoring

Sensor Pipeline

- Portable remote leakage detection sensor and Smart metering for fast leakage resotation
- Realtime Leakage Management

Leakage Monitoring System

Wireless Transmission

Digital Water Meter

Leakage Sensor

- Realtime Measurement
- Leakage detection of unit district based on smart meter

Introduction of water-NET

Water Supply System Management Programme

Monitoring & Controlling System DB

water-NET (Water Supply System Management)

per minute data

Instrument Data (Flow, Pres., W.L., Pump, etc.)

Real-time Operating of Water Supply Pipeline

Pipeline Operator & Manager

GIS Info. Instrument Data (Flow, Pres., W.L., Pump, etc.)

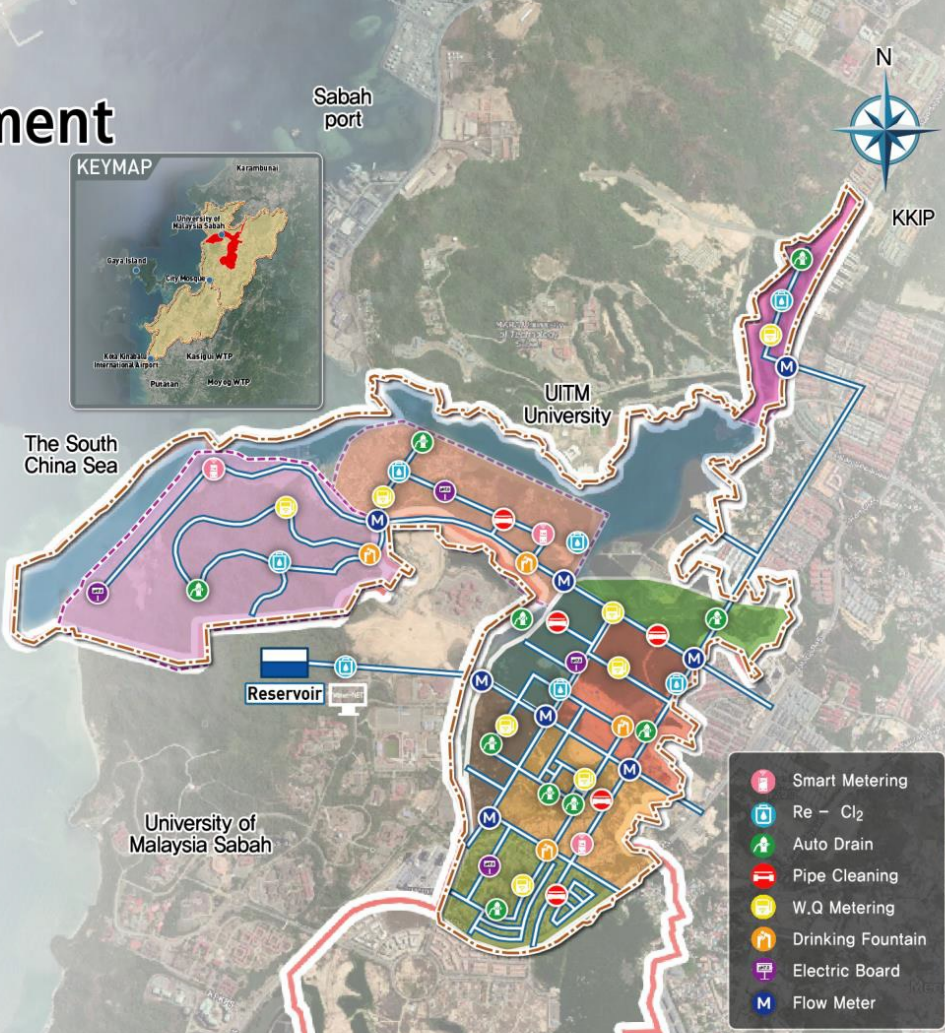
Digital Map Info. (Height, Elevation, Building etc.)

Info. System Customer, Usage Info, (Reading, Complaints etc.)

- Construction of scilific management system using ICT and managing technology with realtime monitoring on water quality and quantity, and accidents
- Enhancing stability and credibility by Efficient management on supply system

Point

Pipeline Analysis | Flow Management | Quality Management | Energy Management | Risk Management



Smart Metering (Leakage Monitoring)

Smart Metering

Portable Meter

Re-Chlorine Ejector

WTP

Reservoir (Re-Cl)

W.Q meter

Auto Drain

W.Q meter

Water Quality Metering

In Pipeline

In Reservoir

Auto Drain / Pipe Cleaning

Water Quality Display & Fountain

W.Q Display

산류염소 (Free Chlorine)

pH

속도 0.34 (Speed 0.34)

기준 0.1-4 (Standard 0.1-4)

Water Fountain