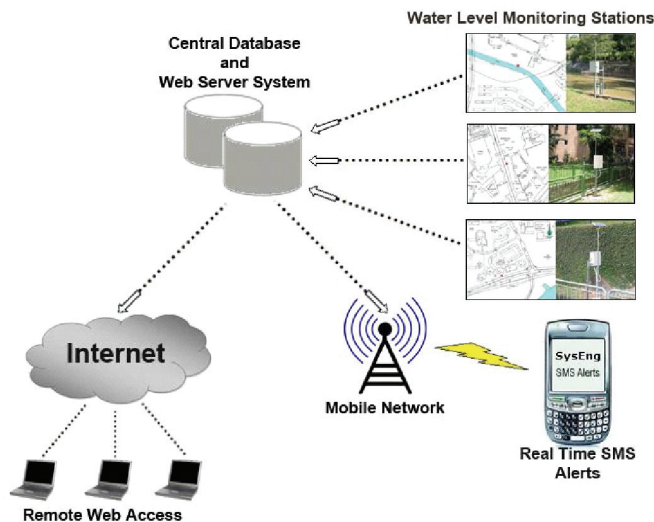


# Real-Time Water Level Monitoring

Monitoring of water level in drainage system and rivers are critical preventive-measures to flash floods, which can result in lost of properties and even life.

With a Real-Time Monitoring and Alert System, authority and property owners near flooding prone areas can get ample warning before potential flooding to activate preventive measures.



Real Time Water Level Monitoring System Architecture

SysEng (S) Pte Ltd has a **PROVEN** centralized Water Level Monitoring system.

This system is implemented for **Public Utilities Board (PUB)** in Singapore, monitoring drainage island-wide

## Features:

- ✓ **Fully automated**, 24/7
- ✓ **Real-Time**, water level data for all measuring stations are send to Central Database periodically (every 2mins, configurable) or upon even triggering
- ✓ **Scalable**, capable to add up to 128 measurement stations any time
- ✓ **Web-hosting**, users are able to access real-time data from any station and any time via internet
- ✓ **Real-time Alert**, user-configurable level limit(s) for trigger SMS warning messages to assigned personnel
- ✓ **Versatile measuring station**, small size & solar power
- ✓ **Configurable sensors**, easily configured to add-on other environmental sensors (e.g. light/solar radiation, environmental noise, wind, temperature, humidity, rainfall, water flow, etc)
- ✓ **Low setup cost**, call us to find out more on our "zero set up capital" financial package. (conditions applies)
- ✓ **Minimum maintenance configuration**



# Real-Time Web-Access

*Real-Time Database of the entire water level monitoring system at you finger tips, anytime, anywhere*

## Central Database:

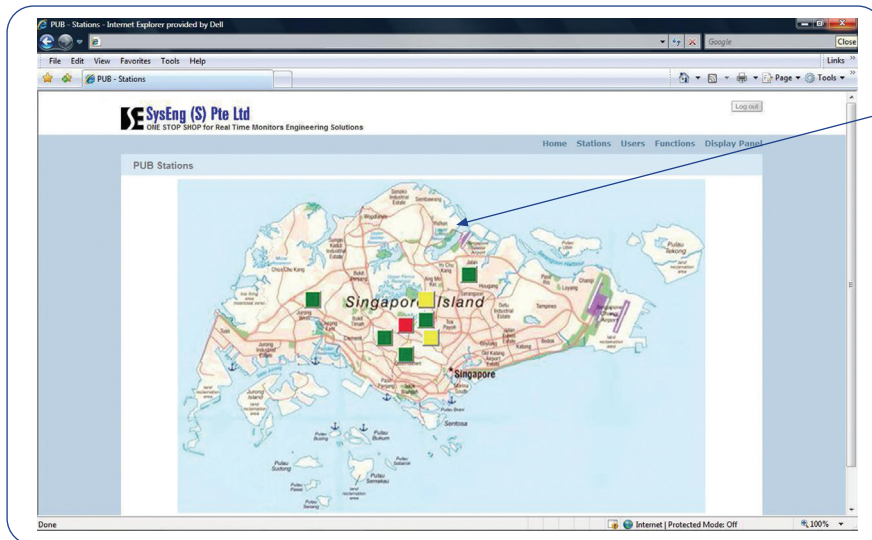
Data from all sites are automatic upload to a central database server.

## Security Protection:

Password for authorized entry.

## Graphical Overview:

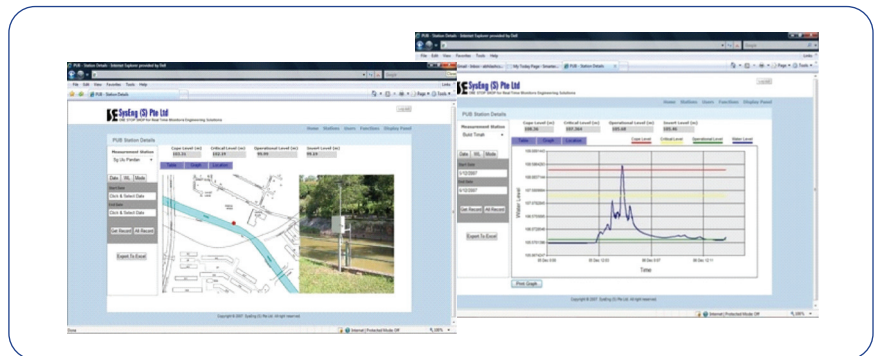
Clear update of entire system status:  
**Red** = critical level  
**Yellow** = warning level  
**Green** = normal operation



## Detail Station Stations

Zoom in to select station detail and data trending:

- Station information
- Graphical trending
- Download database
- DB SQL queries
- And others...



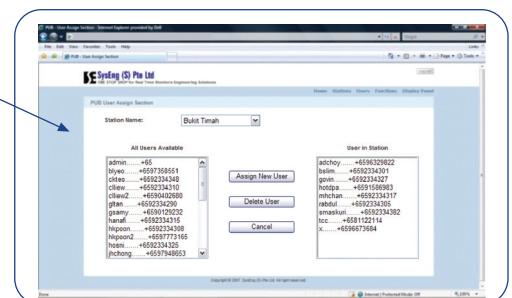
## Real-Time Alerts:

Automated SMS alerts upon trigger level(s)



## User Configurable Online:

- Add user account
- Configure station parameters
- Configure SMS alert broadcasting nos.



## Analysis:

With centralize database, study of drainage characteristic and flooding pattern are made easier.

## System Health Check:

The system is design with self-check and online detection of health status of all remote measurement station automatically.