

Testimonial



We are feeling very comfortable on managing water in tank by online monitoring, Advance knowledge on water level makes it further more efficient in handling and looking for an another installation at a new site.

- Palani Murugan Temple

The purpose for which we installed is accomplished by the iTank. The over flow prevention, Prevention of unnecessary operation increases energy saving and reduces water sourcing. Simple, User Friendly, Managing all the 54 tanks in a single web page gives over all visibility instantly. We are having plans to extent the system for our host institutions.



Transform Yourself

- Kongu Engineering College



Better at conservation of water and energy by reducing overflow from tanks. A good solution to prevent rupturing of pipelines due to shut off valves and inadvertent starting of motor. Electrical team is totally relaxed of water management at running room.

- Erode Railway Junction

Water over flow is completely under control, Consumption report makes us easier to estimate the total intake. Feeling relaxed of water management. Having plans to extend the solution in other institutions.



- The Indian Public School



Scan for login website

FOR LIVE DEMO

www.itank.io

USERNAME

erdjn

PASSWORD

erdjn



Innovation in Electronics

REAL TECH SYSTEMS

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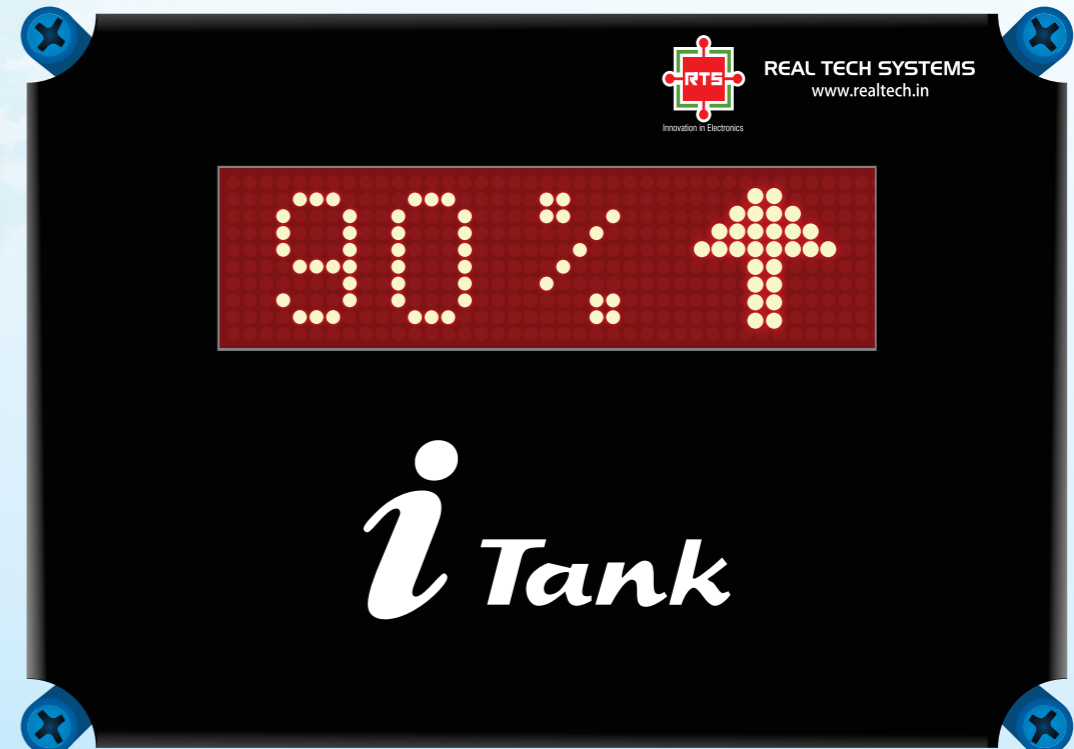
Adding
intelligence
to your Tank

iTank

SMART WATER MANAGEMENT SYSTEM

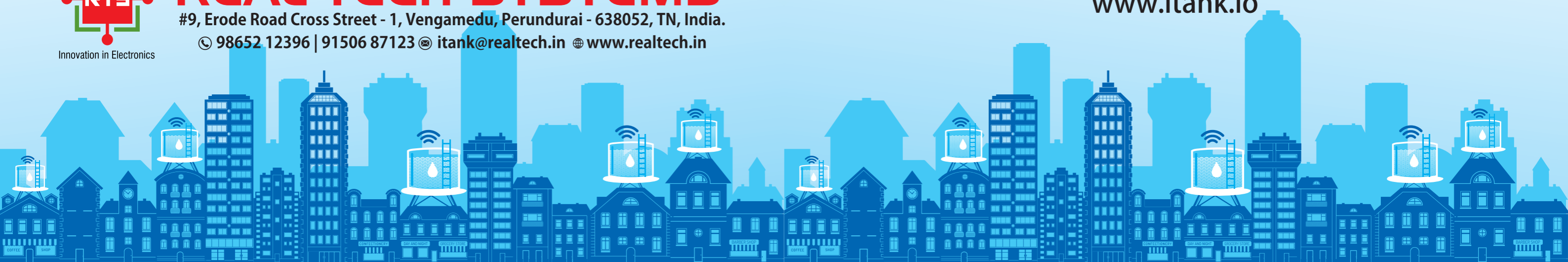
(Save Water 10% to 30% & Electricity)

Return of investment (ROI) < 1 Year



iTank

www.itank.io



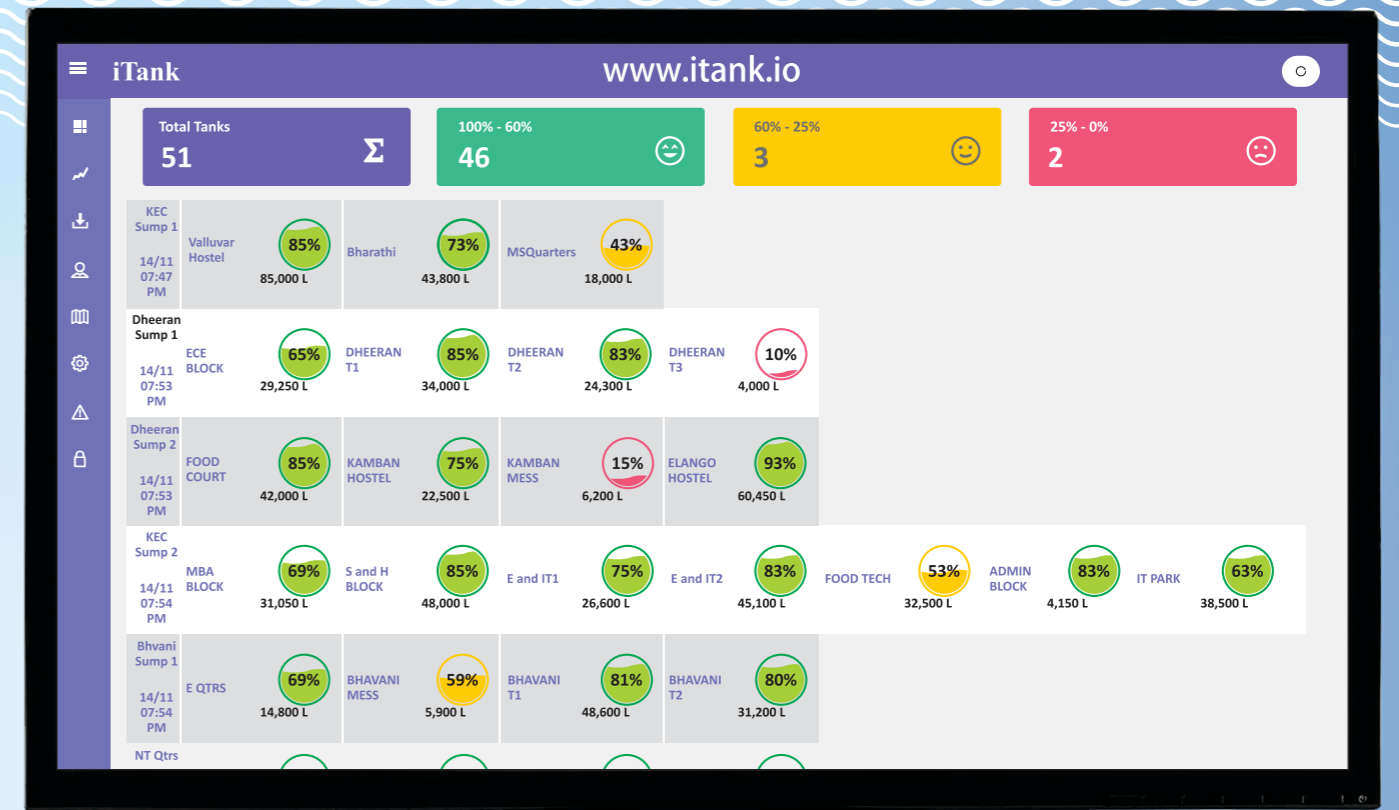
About

The iTank, An adaptive solution of versatile, modular based and IOT integrated system for automating and reporting water level in tanks at large scale area and numerous in numbers.

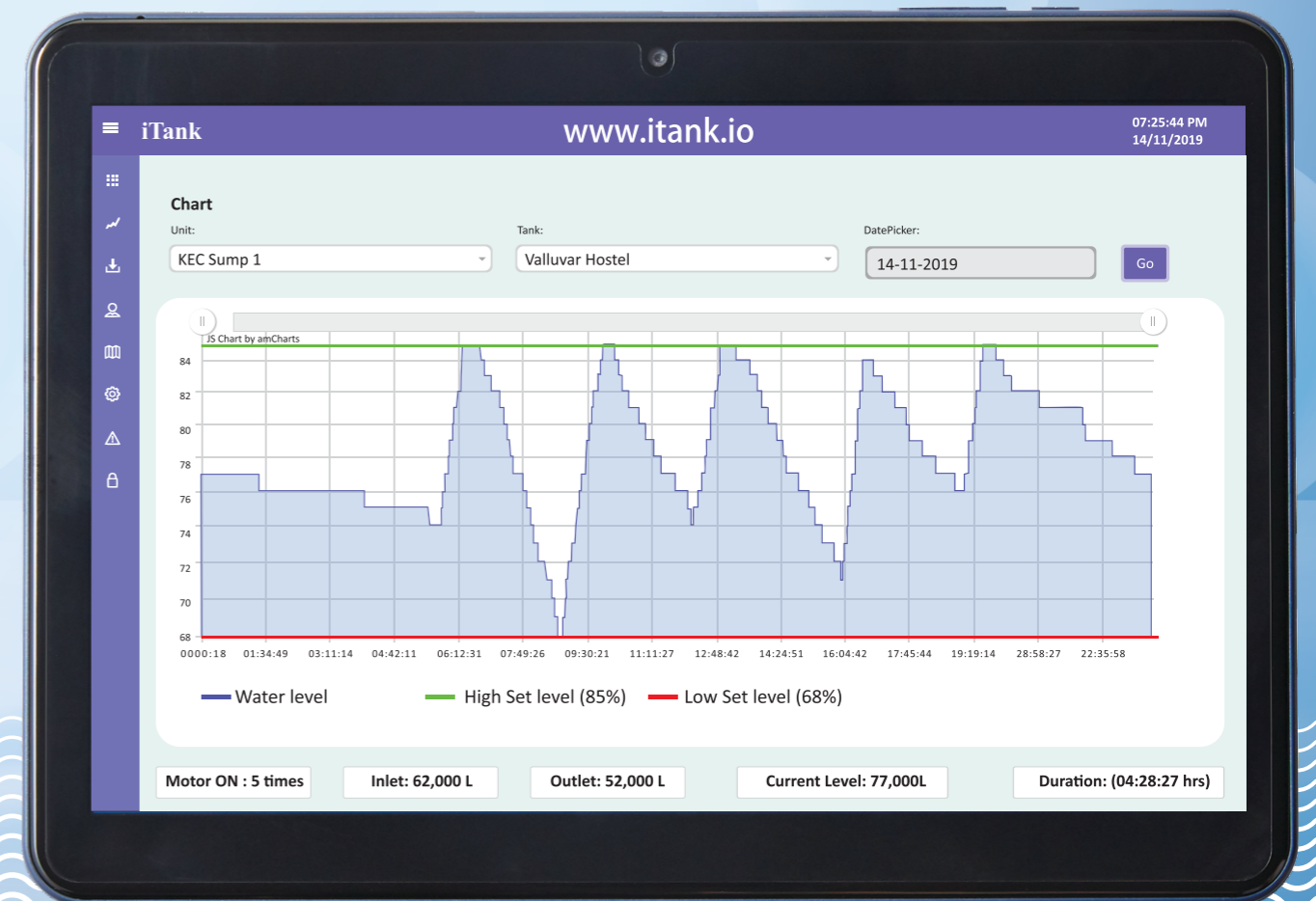
Distinctiveness, Commercial solutions available for controlling water level in the tanks won't suite present scenarios especially when the tanks are largely spaced. Hence so the iTanks is with its unique feature of wired and wireless connectivity. Because of this it overcomes complications in wiring and integrating a large scale water distribution system. As the system is with current wireless technology the tanks and pumping stations can even be separated at most to a distance of 5Km & 50+ tanks can be monitored.

Features

- Water overflow & dry run is completely prevented
- All time linear sensor with real time level
- Manual, Semi-Automatic and Automatic modes
- Valve control for automatic tank switching and refilling
- Wired or wireless modules up to the range of 5Km
- Up to 50+ tanks in total including multiple sump
- Alarm for high level and low level thresholds
- Consumption report and internet based level monitoring using application and web page
- Motor status, power non-linearity protection and starter actuation status
- SMS configuration and alerts
- Suitable for urban, rural and hilly regions
- Inert materialized sensor makes suitable for chemical level measurements also



Web Page



Complete Solution For Multi Sump, Multi Tank - Semi or Fully Automatic System



Stop Overflow



No Dry Run



Save Water/Electricity



i Alert
Excess Pumping / Consumption

TANK 1



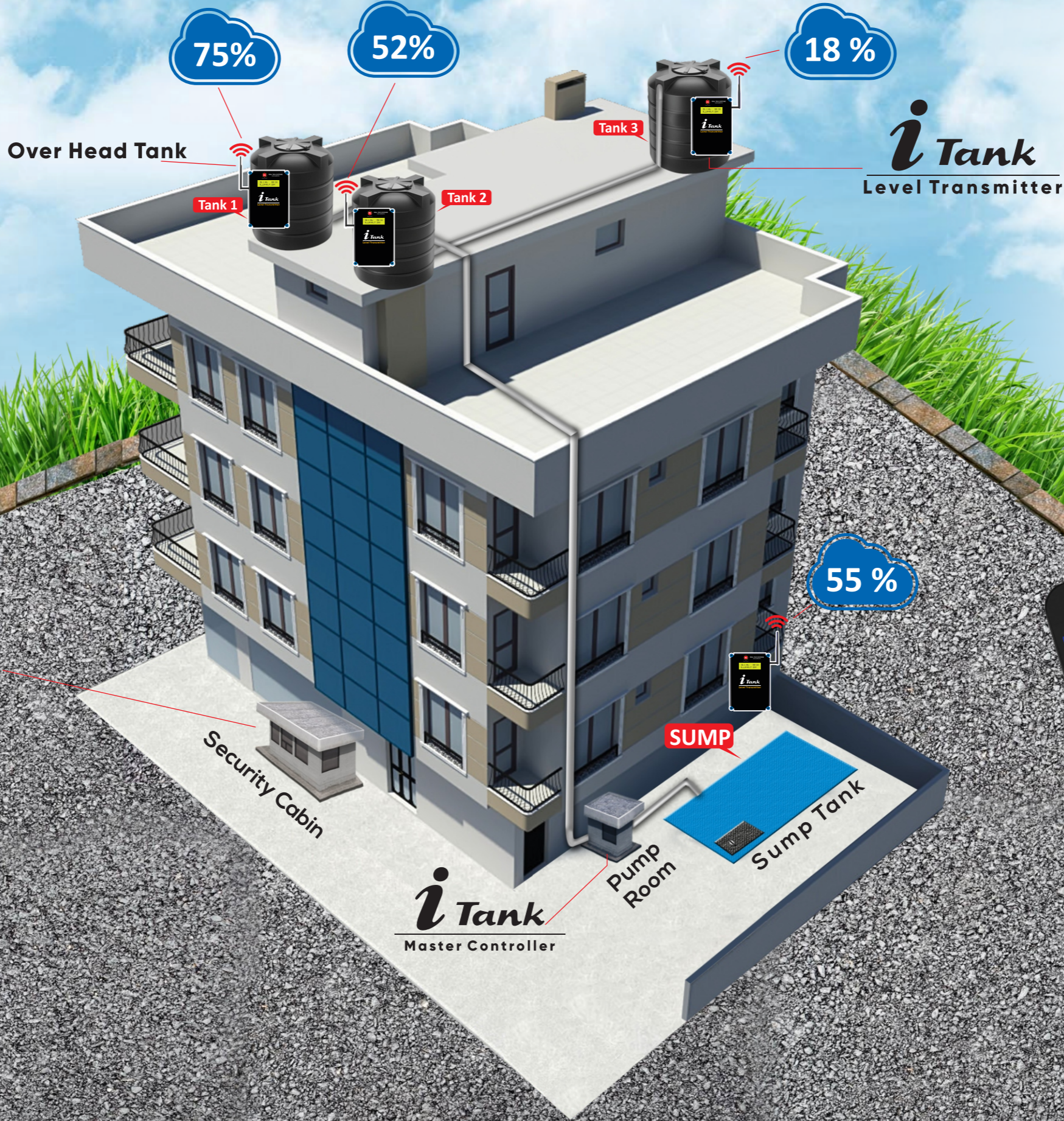
TANK 2



TANK 3

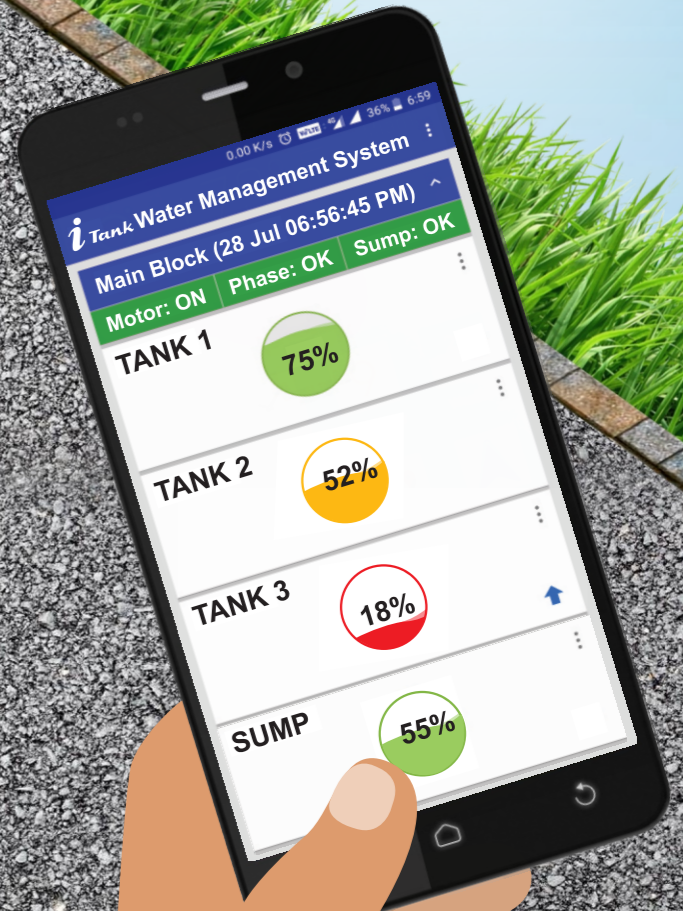


SUMP



iTank
Level Transmitter

iTank
Master Controller

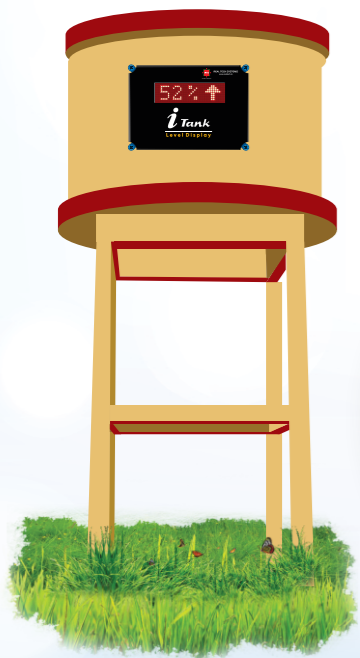


iTank - Mini



Single Tank Instant Monitoring Solution

Application Areas



Level Sensor



Level Transmitter



Range Extender



Level Display



Master Controller



Mobile App - iTank

SMART TANKS FOR KONGU COLLEGE

Its business incubator gives rise to the system that monitors the water tanks with Internet of Things technology



Media

value-added service to ensure deliverable data and better services company's flexible, speech-driven leading position.



Automatic water-level controller installed at Kongu Engg College

Erode, July 9: Automatic water pumping system has been installed at the hostels of Kongu Engineering College, Perumbarur near here. Thanks to the innovative concept of Real Tech Systems, an entrepreneur at the Technology Business Incubator, who had developed the system. It may be noted that around 10,000 students are studying in Kongu Engineering College and about 8 lakh liters of water is purchased for the water requirement from L&T and filled in the unknown level of the water causes problem to the students due to overhead tank getting empty. The overflow volume of water in an overhead tank per month was measured at 45000 liters. It is estimated to cost Rs 2313, while the 51 tank is estimated to cost Rs 1.18 lakh worth of water wastage is estimated. To solve the problem, Kongu Engineering College Correspondent and Principal approached Real Tech Systems, an entrepreneur at the Technology Business Incubator. The technology would be ideal for multi-story buildings, apartments, government offices, local bodies, given that they are likely to have multiple overhead tanks to keep track of. At a time when people across the State are having to save every drop of water they can, this technology gains further importance. What more, Tirupur water supply project is set to increase the cost of water to seven paise per litre, Kumar pointed out. Not his first smart water system Kumar is the man behind a mobile-based farm pump operation system that is now being used by over 15,000 farmers in the State. Another product of Kongu college's technology business incubator, the system allows farmers to operate the pumps in their field with just a click of a button. Farmers are supplied with electricity for a few hours every day. The system installed in the pumpset would send an alert when it detects power supply. The farmer can then give operate the motor and fill water using just the mobile app. This is a great advantage for farmers, who otherwise have to venture out into their fields during odd hours of the night. This is all the more useful during monsoon season or if the farmer is simply caught up in other work.

"With 51 Tanks the saving is Rs. 1.18 Lakh worth of water per month"

Panchayat Water Tank, Corporate Industries, Institutions, Hospitals Apartment, Villas, School, College, Multiplex, Wedding Mahal