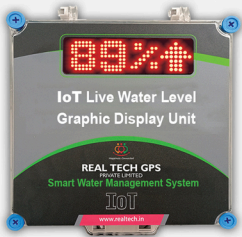


SMART WATER MANAGEMENT SYSTEM **IoT** (Internet of Things)



What is a smart water management system?

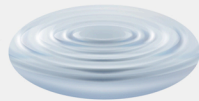
iTank The smart water management system effectively controls the water level in Overhead Tanks, Sumps, and Wells.

iTank prevents the overhead tank from overflowing and Motor dry runs, over-pumping.

iTank can also be used in **STPS / ACID** tanks.

The Internet of Things (**IoT**) technology is truly effective for efficient and reliable water management in Gram Panchayats.

i Neer



COMMON CHALLENGES IN WATER MANAGEMENT SYSTEM

In general, if water management is not good, we face various challenges. Thus, it can be said that human labor is of high demand, involves lot of money, and a lot of productive manhours. But we can avoid these challenges by using our i-tank smart water management system.

Powered By IoT

PROBLEMS FACED WITHOUT WATER MANAGEMENT



REAL TECH SYSTEMS
Innovation in Electronics



REAL TECH SYSTEMS

For efficient and reliable water management in the market.
Truly the Internet of things (IoT) Technology

Return of Investment (ROI) <1 Year

IoT BASED SOLAR POWERED LOCALIZED TANK LEVEL GRAPHIC DISPLAY MODULE



i Alert

Excess Pumping / Consumption

- Displays the percentage of water in the tank
- Indicates filling/delivery through up/down arrows
- Shows server communication with IoT app/web portal
- It automatically operates motor, valve, and flowmeter functions
- It remotely manages water systems without physical intervention

FEATURES OF THE I-TANK WATER MANAGEMENT SYSTEM

- Prevents water overflow and dryness
- Real-time water level with LLS G20 sensor
- Manual, semi-automatic, and automatic modes are available
- Automatic valve control for tank switching and refilling
- Connects tanks and sumps wireless with a range of 5+ km
- A total of 100+ tanks, including multiple sumps
- Alarm for high-level and low-level limits
- SMS configuration and alerts
- Suitable for urban, rural, and hills
- Motor status, power non-linearity protection, and starter activation
- Consumption report and internet-based level monitoring using application and web page



Save Manpower



Save Electricity



Save Water



Stop overflow

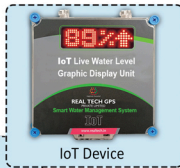


Not only water,
It can be used in
STPS / Acid tanks.

AUTOMATIC WATER MANAGEMENT SYSTEM



Solar panel



IoT Device



Motorized Valve



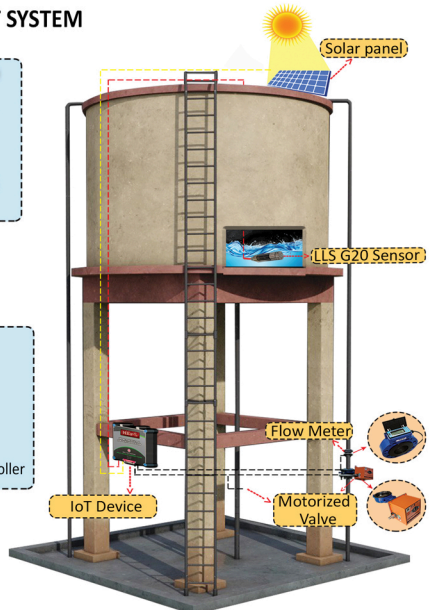
LLS G20 Sensor



Smart Motor Controller



Flow Meter



COMPLETE SOLUTION FOR MULTI SUMP, MULTI TANK SEMI OR FULLY ATOMATIC WATER MANAGEMENT SYSTEM



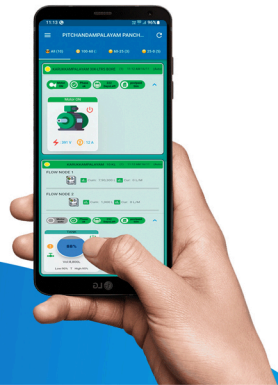
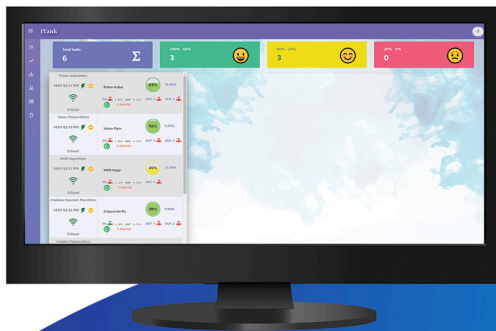
APPLICATION AREAS :

Corporate Industries, Insutitutions, Hospitals, Apartments, Villas, Schools, Colleges, Multiplexs, Wedding Mahals and Panchayat water Tanks..



SMART WATER TANK SOLUTION

Our smart water tank solution automatically monitors the water level in the tank and provides real-time updates with the help of incorporated sensors





Happiness Connected

Rural Areas

Gram Panchayats

100+ Panchayats

400+ Tanks

Town Panchayats

5+ Town Panchayats

45+ Tanks

Urban Areas

22+ Municipalities

100+ Tanks

5+ Corporations

15+ Tanks



FOR LIVE DEMO
User name : pktr
Password : pktr
www.itank.io

i-Tank in other States

- Uttar Pradesh
- Telangana
- Goa
- Andhra Pradesh
- Kerala



iTank in Tamilnadu Districts (installed & Serviced)



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