



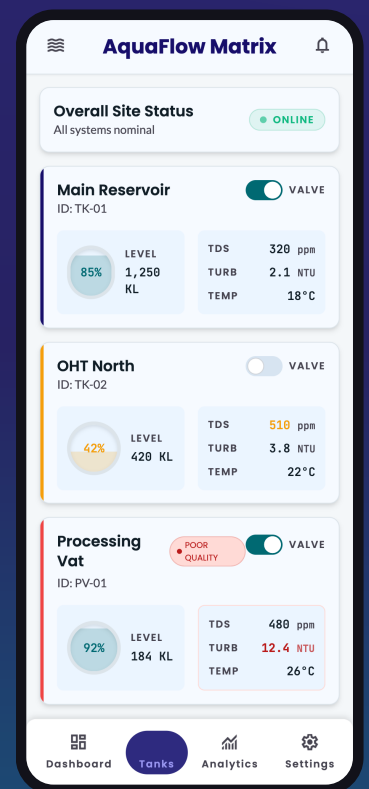
GIZMO^{IoT} INNOVATIONS LLP
SMART AUTOMATION SOLUTIONS

SMART WATER LEVEL CONTROL & AUTOMATION

AquaFlow

**Never run out of water.
Never burn a pump.**

An intelligent controller that manages your tanks, valves and pumps automatically — protecting your motors, saving water and electricity, and keeping you informed on your phone. Built for any building, from a single tank to an entire campus.



Automatic

RUNS WITHOUT YOU

Protected

MOTOR SAFETY BUILT IN

Modular

GROWS WITH YOUR SITE

Monitored

REPORTS ON YOUR PHONE

Your water, managed completely on its own

AquaFlow watches the water level in every tank, decides when and what to fill, opens the right valves, runs your pumps safely, and records everything. You set your preferences once — the system takes care of the rest, day after day.

Automatic filling, always on time

Tanks are topped up before anyone notices a shortage. No manual switching, no one climbing to the terrace, no dry taps in the morning.

Your motors, fully protected

Dry run, overload, high and low voltage, phase failure and overheating are all detected and stopped — the faults that destroy pumps.

No overflow, no waste

Filling stops the moment a tank is full. Water stops spilling, and pumps stop running longer than they need to.

Know your consumption

Water usage measured per tank — by hour, by day, by month. Leaks and unusual usage show up instead of hiding in the bill.

Water quality watched

Optional sensors track dissolved salts (TDS), turbidity and temperature, and warn you before poor-quality water is stored.

Everything on your phone

Live levels, alerts, pump health and reports. Use the app to check in or change settings — never to operate the system.

Built for any site that stores and pumps water



Residential buildings

Apartments, societies, villas, gated communities



Commercial complexes

Offices, malls, IT parks, retail



Hospitals & hotels

Where an interruption is never acceptable



Factories & industry

Process water, cooling, storage tanks



Schools & institutions

Campuses, hostels, colleges



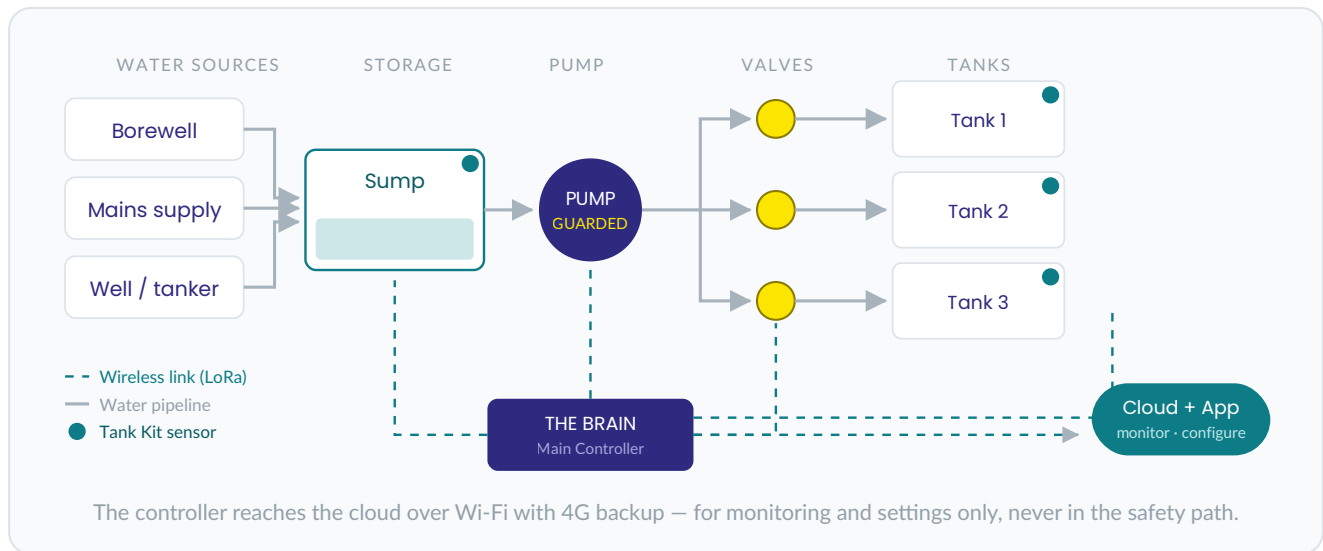
Farms & irrigation

Borewells, storage tanks, field distribution

HOW IT WORKS

Four smart devices. One complete system.

Every installation is built from the same four devices. Take one of each for a simple single-tank site, or add more as your site grows. They talk to each other over long-range wireless — no new cabling across your property, no dependence on your Wi-Fi.



The Brain MAIN CONTROLLER

Holds your settings, makes every decision, and keeps the full history. Connects to the internet over **Wi-Fi with a 4G SIM as backup**, and keeps working through power cuts on its own battery.



The Eyes TANK KIT

Measures water level accurately in any tank — overhead, underground, open well or borewell. Optional probes add **TDS / salt content, turbidity and temperature**. Available with a solar power option where no supply reaches the tank.



The Hands VALVE KIT

Opens and closes each motorised valve — and **confirms the valve actually moved** instead of assuming it did. A jammed valve is detected and reported, not ignored.



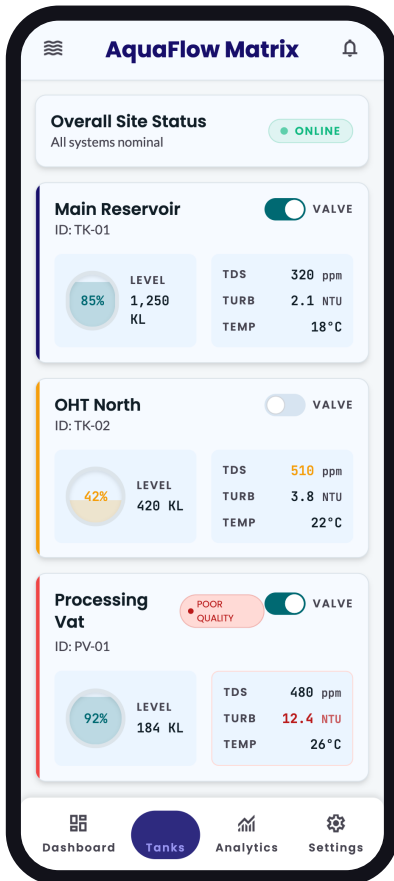
The Bodyguard PUMP GUARD

Installs alongside your existing starter panel. Watches **current, voltage, all phases, motor temperature and vibration**, and enforces every safety rule right at the pump — even if the network is completely down.

SEE EVERYTHING, CONTROL ANYTHING

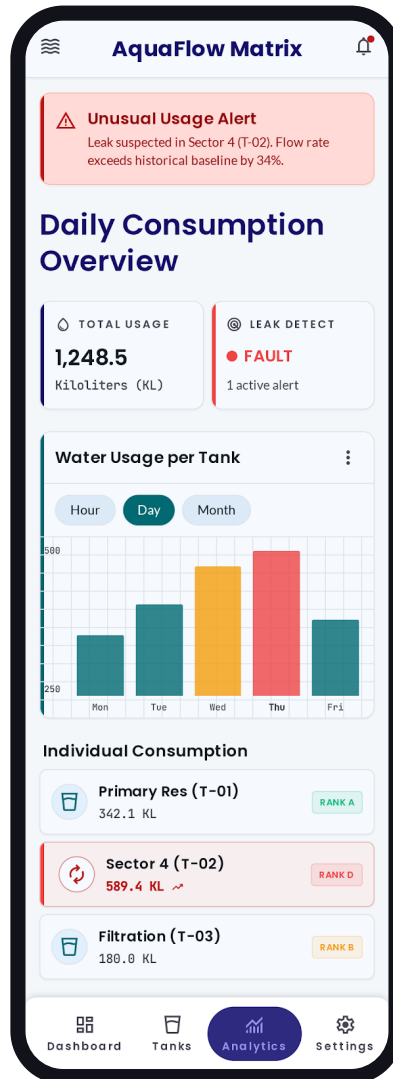
Your whole water system, in your hand and on your wall

Live levels, water quality, pump health, alerts and full reports — on a mobile app for everyday use and a large dashboard for managers and maintenance. Remember: the app is for watching and adjusting. The system keeps running on its own whether your phone is nearby or not.



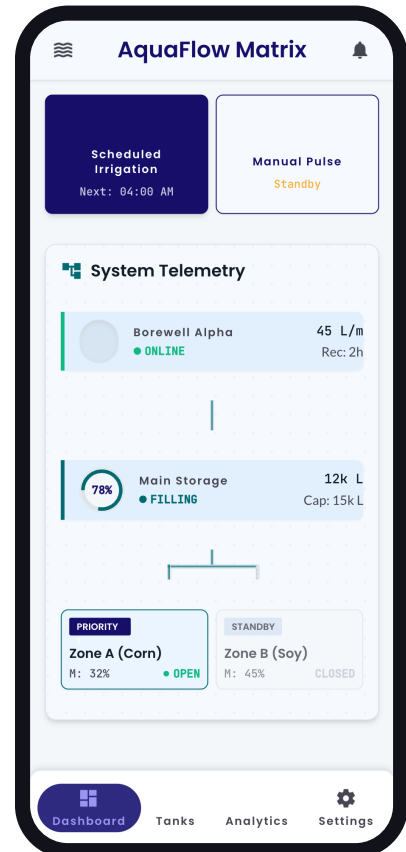
Every tank at a glance

Level, TDS, turbidity, temperature, valve state



Usage & instant alerts

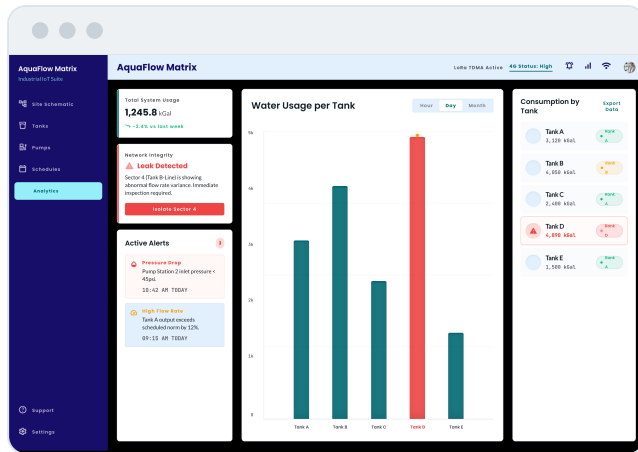
Daily consumption, leak and fault warnings



Schedules & live telemetry

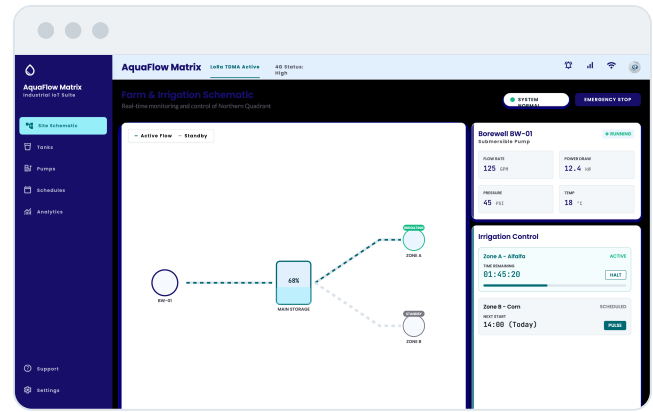
Source timers, pump and flow readings

A full control dashboard for managers & maintenance



Consumption & alerts

Usage per tank, leak detection, active alerts



Live site schematic

Real-time flow, pump status, zone control

NO REBUILD REQUIRED

Works with the pumps and starters you already have

AquaFlow does not replace your motor starter — it connects to it, the way a remote switch would. Any motor from 0.5 HP to 20 HP, single-phase or three-phase, with any good branded panel.

Direct-on-line

The most common starter type. Connected at the control terminals.

Star-delta

For larger motors. The starting sequence stays inside your certified panel.

Submersible panels

Borewell panels — AquaFlow takes the place of the float switch.

VFD / soft starter

Connected at the run-enable terminals; drive data can be read digitally.

Smart starters

Where the panel already measures current, our sensor kit is not even needed.

Single or three phase

Full per-phase voltage and current monitoring on three-phase supplies.

Control that adapts to how you actually work

Priorities you decide

Choose which tank fills first when water is limited. Critical storage is served before non-essential use — every time, automatically.

Sources used intelligently

Borewell, mains supply, well or tanker. AquaFlow follows your schedules, prefers the source you want used first, and can enforce rest periods to protect a borewell.

Timers and schedules

Fill only during supply hours. Avoid pumping during quiet hours. Shift pumping to cheaper electricity slots where tariffs apply.

Set once, then leave it

After commissioning the system runs on its own — with no daily app usage and no internet dependency. The app is for checking in and making changes.

PROTECTION

Complete motor protection, built into the pump circuit

Every rule below runs inside the Pump Guard, at the motor itself — not in the cloud and not in the app. They hold even when nothing else is reachable.

Dry-run protection

Detected two independent ways — no water at the source, and the electrical signature of a pump moving nothing. Stopped in seconds.

Voltage & phase protection

Will not start on unsafe voltage. Trips within a second on phase failure — the fault that silently destroys three-phase motors.

Overload & overheat

Current and motor temperature watched continuously. A struggling motor is stopped, not sacrificed.

No pressure damage

A pump never starts unless a valve is confirmed open, and never stops after a valve closes — preventing the pressure shock that bursts pipes.

Predictive motor health

Vibration and power trends reveal bearing wear early. You service on your schedule instead of after a breakdown.

Energy accounting

Every motor's electricity consumption measured — in units, per pump, per month.

Insight you can act on

Consumption reports

Water usage per tank by hour, day and month — exportable, and impossible to argue with.

Leak & fault indications

Water moving when nobody is drawing it, or pressure collapsing mid-run, raises an alert.

Complete event log

Every start, stop, fault, valve movement and setting change recorded — with time and reason.

Designed to fail safely — because water cannot stop

Any electronic system can fail. What separates a professional product from a gadget is what happens when it does. AquaFlow is built in four independent layers — each one able to keep you safe on its own.

1

Manual bypass

Works even if **every AquaFlow device is switched off**. A bypass switch on the pump panel and manual handles on the valves mean your site can always be run by hand. Our failure can never mean no water.

2

Protection at the pump

Works even if **the wireless link and the internet are both dead**. Dry-run, overload, voltage, phase-failure and overheat protection all run inside the Pump Guard, right at the motor.

3

Safe operating rules

Works even if **your phone, the app and the cloud are all offline**. A valve is confirmed open before a pump starts, the pump is stopped before any valve closes, and every command expires if unanswered.

4

Cloud monitoring

Reports, alerts and settings only. By design the cloud **cannot** directly drive a pump or a valve — so an internet problem can never become a water problem.

Engineering choices you can verify

Mechanical failsafes included

Independent float switches and overflow lines are part of every installation — an overflow must never depend on electronics.

Certified starters, not homemade switching

We interface with branded starter panels rather than switching motor power ourselves — safety stays with certified equipment.

Commissioned, not just installed

Every pump loop and every sensor is tested end-to-end before the system is allowed to run automatically.

A complete solution — sized to your site

AquaFlow is modular. Start with the tanks and pumps that matter most and expand later; the same system grows with you.

Your situation	Your AquaFlow
One tank, one pump	Controller + 1 Tank Kit + 1 Pump Guard. Full automation and complete motor protection.
Sump and overhead tanks	Add a Tank Kit per tank. Transfer pumping becomes automatic and priority-driven.
Several tanks or buildings	Add Valve Kits to direct water where it is needed, with usage reporting per tank.
Multiple water sources	Borewell, mains, well or tanker — scheduled, prioritised and monitored.
Water quality matters	Add TDS / salt, turbidity and temperature probes to the tanks that need them.
No power at the tank	Solar-powered Tank Kits with battery backup.

Optional sensors — choose only what you need

Sensor	What it gives you
Water level	Standard on every Tank Kit. Contact or non-contact type, selected to suit the tank.
TDS / salt content	Warns when dissolved salts rise — protects appliances and flags a bad supply.
Turbidity	Detects dust, silt and cloudiness before poor water is stored.
Temperature	Water temperature for quality context and seasonal records.
Flow meter	High-accuracy consumption measurement and leak detection per line.
Pressure	Confirms healthy delivery pressure; detects blockages and burst lines.

From first visit to a system that runs itself

We handle the whole job — survey, supply, installation, testing, training and ongoing support.

Included with every installation

- **Site assessment** — we survey your tanks, pumps, panels and sources before quoting.
- **Commissioning & testing** — every pump and sensor proven before automatic mode is enabled.
- **Training & handover** — your staff shown how to operate, override and read the reports.
- **Supply & installation** — pre-configured hardware, installed and wired by our team.
- **Mobile app & dashboard** — for your manager, your maintenance team and your residents.
- **Support & updates** — remote diagnostics, software updates and service response.

GET STARTED

Book a free site assessment

Tell us how many tanks, pumps and sources you have — we will recommend the right configuration and give you a clear quotation. No obligation, and no changes to your existing pumps or panels required.

+91 78880 03666 · gizmoiot.com



GIZMOIOT INNOVATIONS LLP

SMART AUTOMATION SOLUTIONS

S.No 13/2, G No 5, Prem Kunj,
Sagar Society, Bavdhan, Haveli,
Pune, Maharashtra 411021

Mobile +91 78880 03666

Landline 020 2025 6666

Web gizmoiot.com

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AquaFlow is a product of GIZMOIOT INNOVATIONS LLP. Specifications are indicative and subject to site assessment. Optional sensors, solar variants and system capacity are quoted per project.