Aqua™ Brim
SIMPLIFY LIFE



Aquabrim

Simplify Life

Company Profile

MAKE IN INDIA

आत्मनिर्भर भारत

www.aquabrim.com

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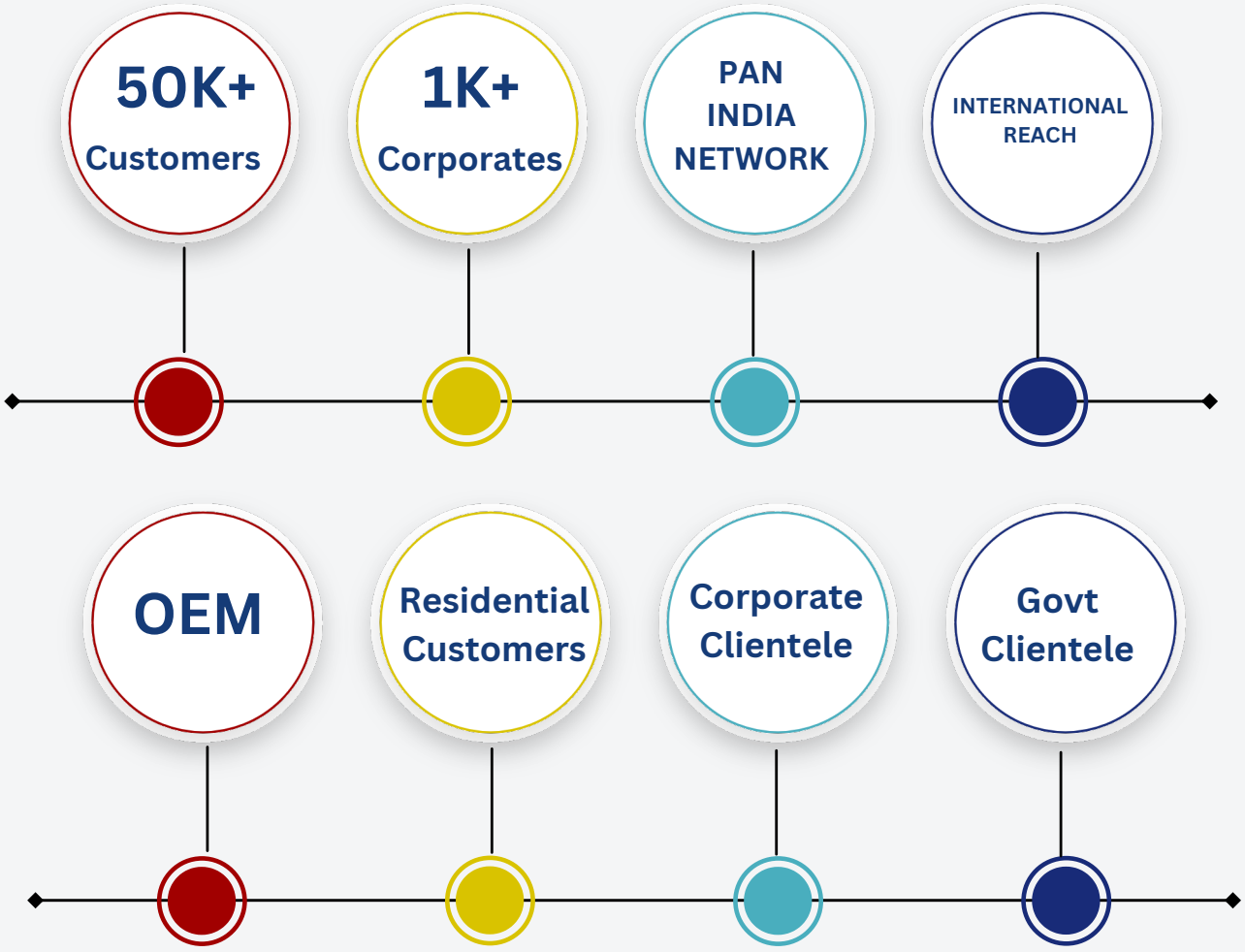
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About Us



We are India's leading Wireless Water Level controller/ indicator manufacturer and automatic solution provider that allows managers to make informed operations and maintenance decisions.

Our business portfolio includes;

- Manufacture and supply of wireless water level controllers, indicators, wireless temperature & humidity sensors, smart IOT motorised valves, Wireless ultrasonic sensors, wireless pressure sensors
- Supplier of water automation products like electromagnetic flow meter , pressure sensors etc.
- Installation/system integration of third-party water automation and management systems

Since 2008 we have been working tirelessly to perfect the wireless technology through our robust R&D facilities to resolve water supply issues for commercial buildings in cost effective manner.

Transform your water management practices with our advanced technology that ensures efficient water utilisation, reduces wastage, and eliminates the need for manual intervention.

Together, let's build a sustainable and water-conscious future.

About Founders



Praveen Sinha

IIM-C Alumini

JABONG Co-Founder

Serial Enterpreneur

Electrical Engineer

Start Up Investiment Committee

Venture Capitalist

Texas Instruments

Qualcom

Wireless Technology Expert

Electronic Engineer

Driverless Cars

Patent Holder



Rakesh Kumar

Our Journey

2008

Introduced latest technologies in in wireless sensors for domestic use in water management.

2010

Developed various models and configurations to suit requirements of domestic customers

2012

Highly sophisticated and efficient models were introduced for industrial sector

2015

Newer technology like web based remote monitoring were integrated in existing systems as per need of industrial requirements

2018

Became No-1 in Indian market in water level management by providing robust service & innovative solutions at cost effective price. Established PAN India presence

2023

Successfully launched new age electromagnetic flow meters and wireless motorised valves .

2024

Developed Wireless Ultrasonic Sensor with Alarm Unit

Sectors of Operation



Commercial Spaces



Office Space



Malls



Hotels



Hospital



University



Housing Society

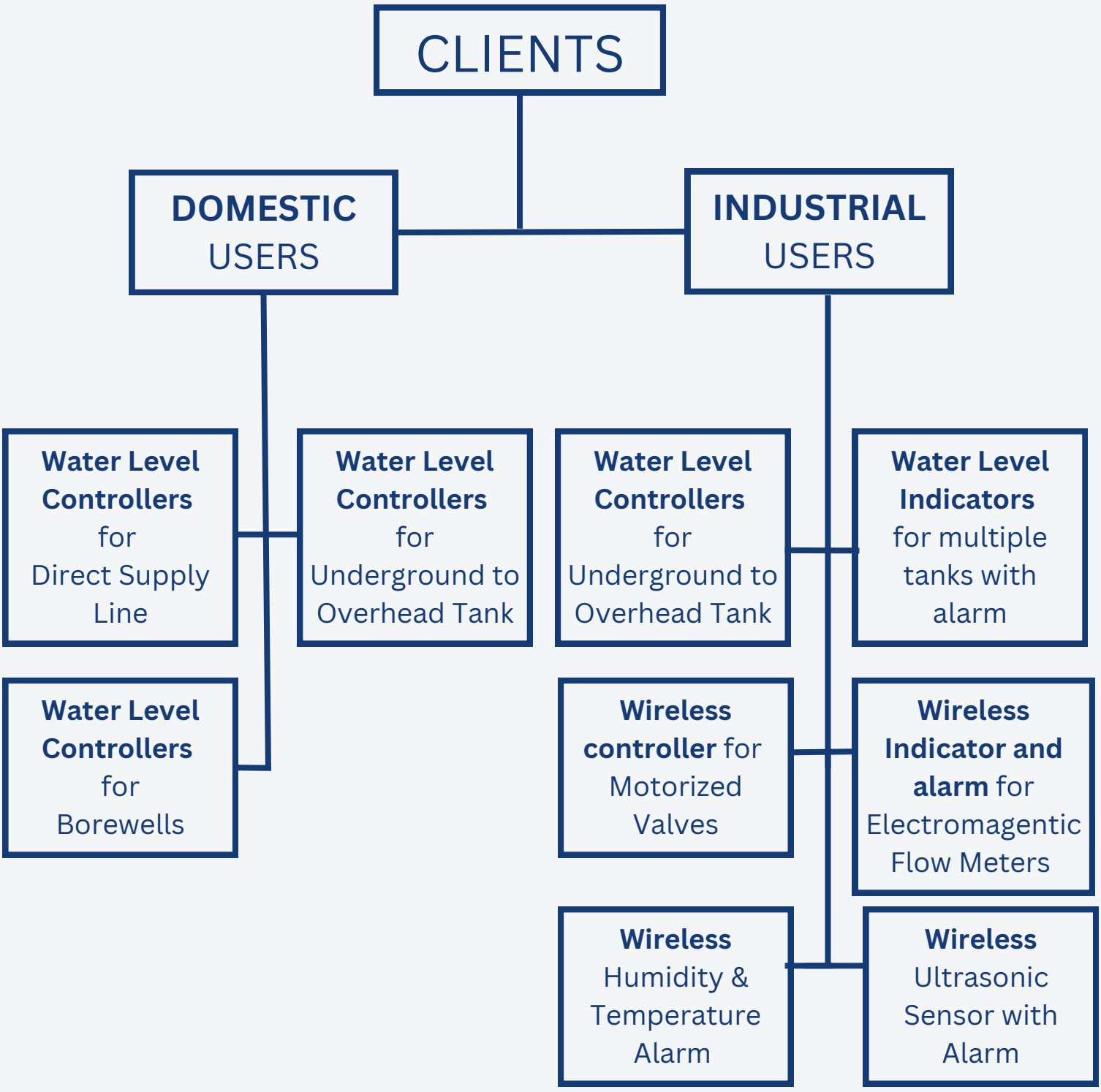


Builder Floors



Independent House

Our Offerings



Product Portfolio



Wireless Water Level Controller



Wireless Water Level Indicator



Transmitter



Repeater



Wireless Electromagnetic Flowmeter



Wireless Motorised Valve



GSM Unit



Web Based Monitoring



Wireless Ultrasonic Sensor



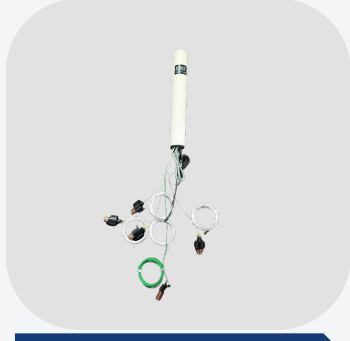
Wireless Pressure Sensor



Wireless Temperature & Humidity Sensor



Human Machine Interface



Wireless Five Level Sensor



Motor Sequencer

Automation Products

1. Water Level Controller

Our in-house model MATRIX is a very versatile controller for water supply automation, based on water level in tanks and other various parameters. It monitors overhead tank/s water level (1-100%scale) on real time basis. It can detect low/high water level in overhead tank/s on real time basis and starts/shuts the motors automatically to lift water from underground storage/borewell to fill overhead tanks. It has dry run protection for motors to save it from breaking down on running empty.



Highlights

- **Wireless Technology:** Makes matrix cost effective & easy for installation and maintenance
- **Dry Run Protection** If while running motor water flow in storage tank is interrupted, it will stop the motor
- **Remote Monitoring & Control:** Its data can be uploaded in BMS System through MODBUS or web server for remote monitoring and control
- **Multi-tank Automation:** It can control water level in 6 Overhead tanks and one underground tank.
- **Dual Motor Control:** It can control 2 motors in various combination as per requirement at site
- **Motorised Valve Status:** It display the motorised valve open/ close status if valve is installed near the tank
- **Pressure based operations:** It can display pressure in water supply line and operate the motor within set pressure range
- **SMS Alert:** SMS alerts can be set for Low, Full & Overflow events to multiple numbers through Web based monitoring System

Add-On Features

- Dual motor feature
- RS485 MODBUS output
- Wifi hardware feature
- Timer hardware feature
- Motorised Valve feature

2. Alarm / Indicators
Flexibell

Our inhouse model FLEXIBELL is a very convenient wireless water level alarm system for multiple tanks. It indicates water level of tanks (1-100%scale) on real time basis. It rings alarm for low level, full level & overflow prompting you to take action.

It can receive the sensor data wirelessly from level sensors and trigger alarm for low, full & overflow . It is highly configurable at site by users for optimum performance.



Add-On Features

- RS485 MODBUS output
- GSM feature
- Wifi hardware feature
- Hooter

Highlights

- **Multi-tank Indication:** It can display water level of upto 6 tanks with 1% resolution.
- **Each Tank Status:** Each tanks full/low water level can be configured individually
- **Hooter:** The high sound of alert, a gong bell; ensures timely action through timely alerts.
- **SMS Alert:** SMS alerts can be set for Low, Full & Overflow events to multiple numbers through Web based monitoring System
- **Pressure Indication:** It can also indicate pressure and will give alarm when pressure crosses the set high/ low limit

3. Accessories Transmitter

Our inhouse model AB1101 is an ultra low powered RF transmitter device with capacitance based water level sensor. It communicate the sensor data wirelessly to controllers/ indicator units for industrial applications/ automation. These sensors are battery operated having operational life of 5 to 8years.

Capacitive sensor is made of very tough material for long lasting performance. These sensors are free from scaling and rusting, thus maintaining accuracy of readings



Highlights

- Ultra Low-Power Sub-1 GHz RF Transmitter
- Battery life more than 5 years
- Wireless signal range upto 500 meter at line of sight
- FEP coated flexible Sensor

4. Accessories
Repeater

AquaBrim RF Signal Repeater is an ultra low powered RF Transceiver device to repeat/ boost weak RF signal of various wireless sensors to further distance. It can repeat signals of multiple transmitters.

It also indicates signal strength of signals received



Highlights

- Ultra Low-Power Sub-1 GHz RF Band
- Wireless signal range upto 500 meter at line of sight
- Multi path signal progressing technology
- Configurable for multiple code series of wireless sensors.
- One way signal progression to avoid circular loop transmission.
- Data about signal strength of received signal can be downloaded wirelessly by while installation.
- Visual indication for signal strength quality.
- Signal detection technology before transmission to avoid collision of signals.

5. Accessories GSM Module

A communication interface gateway to communicate the data between web server and controller/level transmitter . UART protocol is used for communication between GSM and controller/repeater.

GSM unit will be equipped with IOT SIM of cellular network provider for communication with server



Highlights

- Multiple wireless communication mode: RF, WIFI and GSM network.
- Wired Data input RS485 & 4-20mAmp.
- LCD display for important parameters.
- Highly configurable as per site requirements
- IOT SIM for GSM based operation.

Accessories

6. Wireless Electromagnetic Flowmeter Indicator & Alarm

We provide wireless flow meter indicator and alarm unit which can be integrated with any electromagnetic flow meter with modbus output. A wireless transmitter unit receive data from flow meter and send data wirelessly to indicator/alarm unit. This indicator/alarm unit can be integrated with remote terminal unit to send different kind of data to server for remote monitoring and SMS alerts.



Wireless Electromagnetic Flow Meter



Wireless Display & Alarm Unit

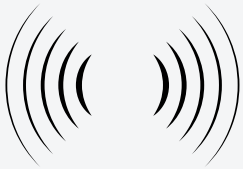
- Big Size display
- Display Flow rate, Todays total Qty and recent Qty.
- Alarm limits for all three parameters
- RS 485 output
- WIFI Connectivity
- Web based monitoring also

7. Accessories
Motorized Valve with Wireless Controller

We have multiple type of motorized valves for different applications having robust performance. We have wireless controllers which can be integrated with these motorized valves and it can operate the motorized valve based on timer/water level of single/multiple tanks.

The open/close status of motorized valve can also be communicated to controllers /indicators wirelessly







Wireless Motorised Valve

- **Nominal Diameter :** DN50 -DN250
- **Pressure Rang (bar) :** PN10, PN16
- **Operator :** Hand Lever / Gear / Actuator
- **Leakage Class**: 100% tightness at full differential Pressure
- **Design Standard:** ISO 5211, API 609, ASME B16.5 150#

Wireless Controller

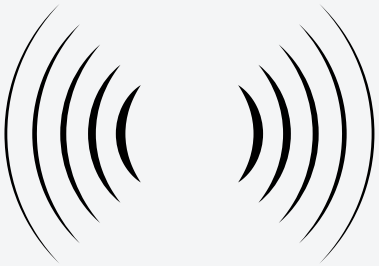
- **Wireless Technology :** It can receive wireless data from level sensors of multiple tanks and operate valve based on the high/ low level
- **Modbus Output :** It has modbus output which can be used for web based operation/ monitoring

Accessories

8. FIVE LEVEL MOTORIZED VALVE CONTROLLER

We have developed five level based motorized valve controller (wired) which can operate simple butterfly valves in multiple steps (1 to 5 steps) based on water level in the tank. It helps in filling of overhead tanks in a synchronised way in case common header is filling multiple tanks.







Highlights

- 220 V operated
- IP68 rating for long lasting outdoor performance
- Digital output for open/close status of valve
- Automatic calibration of time to fully close/open the valve
- Time division based closing of valve
- Protects valve from the heating as this controller gives supply to the valve for a limited period of time
- Rust and scale free sensor

9. Remote Monitoring Solutions
Web Based Monitoring System

Web based monitoring system of AquaBrim allows user the extra convenience of monitoring the parameters remotely from the comfort of their room. Central server application software and services are hosted and operational at a minimum of Tire-III level data centre in india. It has multi level authorization for efficient operation and control system

Web based monitoring can be used for water level, flow meters, energy meters, humidity and temperature monitoring and alerts. It is provided on yearly subscription basis.



Highlights

- **Real Time Data:** Displays real-time data on laptop or mobile phone
- **Graphical Display:** Various parameters can be displayed in graphical form for better analysis and understanding. Plots can be viewed for historical data.
- **Data Download:** Historical data for upto 6 months can be downloaded in numerical and graphical form.
- **Remote Setting & Control:** Various setting parameters can be set remotely through server and machine can be controlled remotely.
- **Multi User Access:** Multiple user access is provided with different control authority for managers and field staff.
- **SMS/ Whatsapp Alerts:** SMS/ Whatsapp alerts can be sent to multiple numbers for critical events for timely action and better management.
- **Compatible to Multiple Browser:** Control and monitoring panel can be operated through all popular web browser.

Wireless Sensors

10. Wireless Ultrasonic Sensor and Alarm Unit

Our in-house model is an ultra low powered Ultrasonic transmitter device with ultrasonic based water level sensor. It communicate the sensor data wirelessly to controllers/ indicator units for industrial applications/ automation.





Wireless Ultrasonic Sensor

- Ultra Low-Power Sub-1 GHz RF Transmitter
- Battery life more than 5 years
- Wireless signal range upto 500 meter at line of sight
- Measures upto 4 meter depth

Wireles Display & Alarm Unit

- Big Size display
- Raise an alarm on limit/threshold values breach
- 4 Alarm limits
- RS 485 output
- WIFI Connectivity
- Web based monitoring also

11. Wireless Sensors
Wireless Pressure Sensor

We can integrate our ultra low powered wireless transmitters with any pressure sensor having 4-20mA output. These wireless transmitters can be integrated with wireless controllers/indicators and data can be monitored remotely for safe operation of motor pumps.



Wireless Pressure Sensor



Long Range Data Transmitter

- Robust CPVC body with IP68 rating
- Web based monitoring through alarm unit
- Transmitter body having rating of IP68 ingress protection
- 2.8-3.2V DC operated ultra low power transmitter
- Long transmission range

Wireless Sensors

12. Wireless Temperature/ Humidity Sensor & Alarm

These wireless humidity & temperature sensors allows users to react fast to movement and climate conditions in any facility. It is ideal for office buildings, warehouses, manufacturing facilities, art galleries, restaurants, hospital, clinic, labs, animal care etc.



Wireless Temperature & Humdity Sensor

- Impressive accuracy of +/- 3% within the 10-90% RH range
- Measures temperatures from 0°C to +65°C
- Ultra low power battery operated long range wireless transmitter unit
- Battery life more than 5 years



Wireless Display & Alarm Unit

- Big Size display
- Raise an alarm on limit/threshold values breach
- 4 Alarm limits for temperature and humidity
- RS 485 output
- WIFI Connectivity
- Web based monitoring also

13. New Products
Human Machine Interface (HMI)

We also deal in all renowned brands HMI display. We have inhouse team for designing and implementation of logics as per customer's requirements including SCADA system.



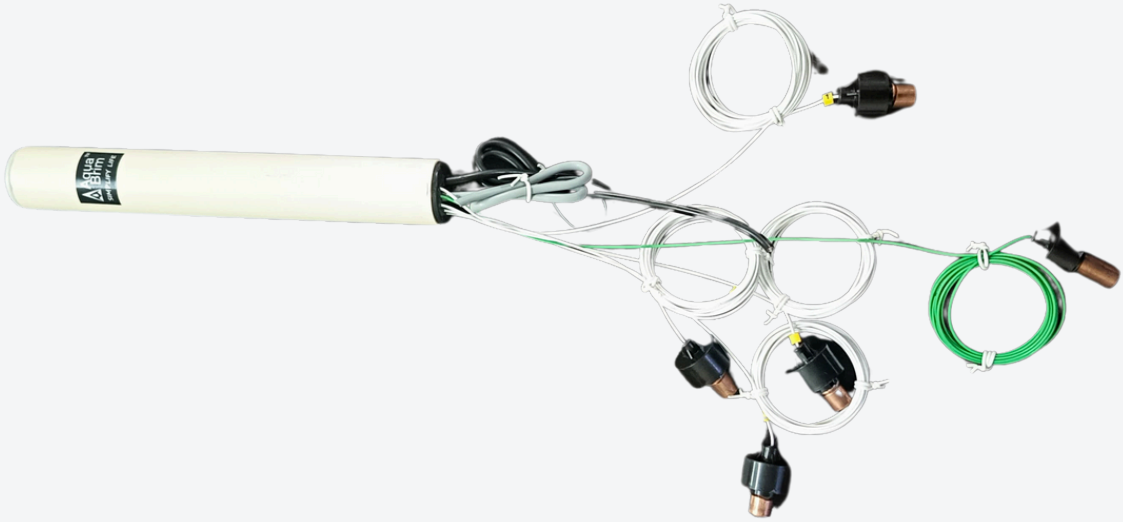
Highlights

- 7" & 10" Touch Screen
- Ethernet / Serial Communication
- User Management
- Recipe Management
- Data Logging Functionality
- Update Program by USB Flash
- Multiple Communication Protocols
- In-Built Symbol Library

14. New Products
Wireless Transmitter with Five Level Sensors

Our inhouse five level sensor is an ultra low powered RF transmitter device with conductivity based water level sensor made of copper. It communicate the sensor data wirelessly to controllers/ indicator units for industrial applications/ automation.

These sensors are designed specifically for dirty water like STP effluent, storm water, rain water etc. These are scale and rust free sensors which ensure long lasting performance



Highlights

- Wireless technology
- Scale and rust free sensors
- IP68 ingress protection
- Battery life more than 5 years
- It can also send ON/ OFF status of motorized valve

15. New Products
Motor Sequencer

Our in-house Motor Sequencer has been designed to control the operation of motors in a sequential manner. It includes sequential operation of valves, priming pumps and main pumps.



Highlights

- Controls upto 4 motor pumps (3 phase) in desired sequence
- Wifi based setting page
- Setting for delay and start duration for valves and priming pumps
- Level based input to start/ stop the sequence

AquaBrim Advantage



Wireless technology enables quick and easy installation & maintenance

Cost effective, long life and easy maintenance solutions

Robust post sales support and dedicated relationship manager

Our Stellar Clientele

























Our Stellar Clientele

TATA PROJECTS

NCC

BHUTANI INFRA

Radisson BLU

adani Realty

भारत इलेक्ट्रॉनिक्स BHARAT ELECTRONICS

DLF Mall of India

THE BELAIRE FROM DLF

M3M

medanta

MARKETCITY KURLA, MUMBAI

OMAXE Turning dreams into reality

Our Stellar Clientele



















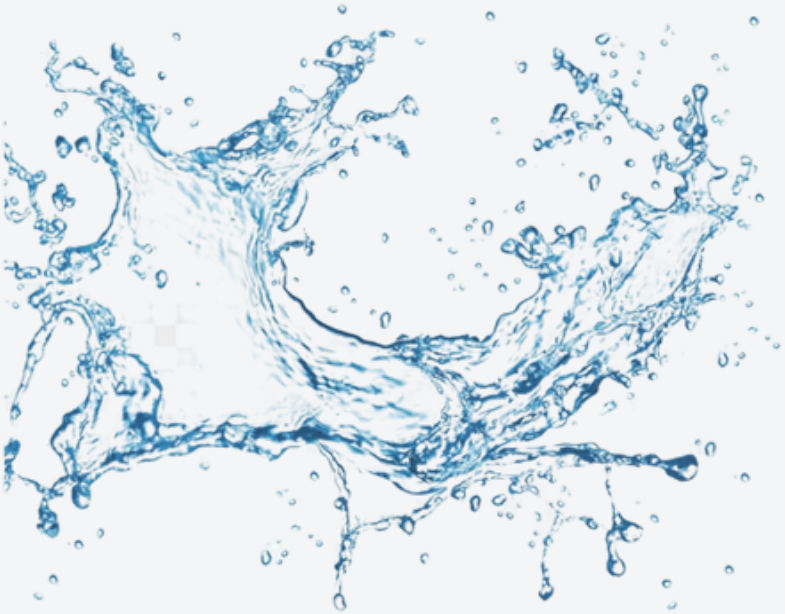






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