

Catalyzing Innovations and Digitization for Safe, Sustainable, Resilient, and Inclusive Water Management

LAUNCH OF E-MARKETPLACE AND PUBLICATIONS

15–19 March 2021

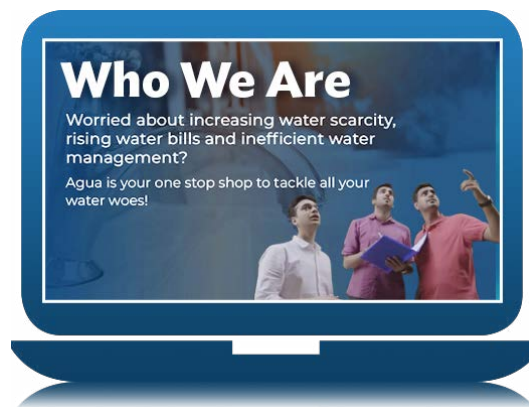


Smart Water Management

Name of Organization **Agua Wireless Systems Pvt Ltd**

Location **Haryana, India**

Year Registered **2019**



Technology Profile

The Internet of Things-based (IoT) hardware and software that Agua Wireless Systems (Agua) designs, manufactures, and markets enable Smart Water Management systems in buildings, layouts, and cities. Agua's IoT solutions help optimize the entire water value chain, from procurement to recycling, enabling features like automated water distribution, fair usage, sub-metered billing systems, quality sensing, and leakage detection in underground pipelines and tanks.

Agua's core product range includes:

1. ultrasonic level sensors to monitor tank water levels,
2. flow sensors to detect volume and pressure of water,
3. motor controllers to automate pump control based on supply and demand data, and
4. automated valves + flow sensors to enable quota-based supply.

Agua's IoT infrastructure can be monitored and controlled remotely. Using an intuitive web or mobile application, users can plan, schedule, and automate tasks. The algorithms that use artificial intelligence (AI) provide insights around device health, water consumption, and generate service level alerts. Using wireless communication, these devices interface with an AI-based cloud infrastructure to provide real-time data about the availability, volume, and quality of water. Using the mobile application, the user can monitor data and pay water bills.

By automating water distribution, supply is ensured to be based on actual demand. The wireless supervisory control and data acquisition (SCADA) system has advanced features like geo-tagging, data analysis, and alert mechanism.

Agua currently has more than 1,000 devices installed in Bangalore, Delhi, and Rajasthan in India. Agua has conducted deployments in rural, municipal, and industrial sectors, and in buildings.

To know more about our Smart Water Technology:

[Powerpoint presentation](#)

The recording of interactive session will be uploaded here.

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