Smart Water Management System

Remote Pump Control

Remote Valve Control
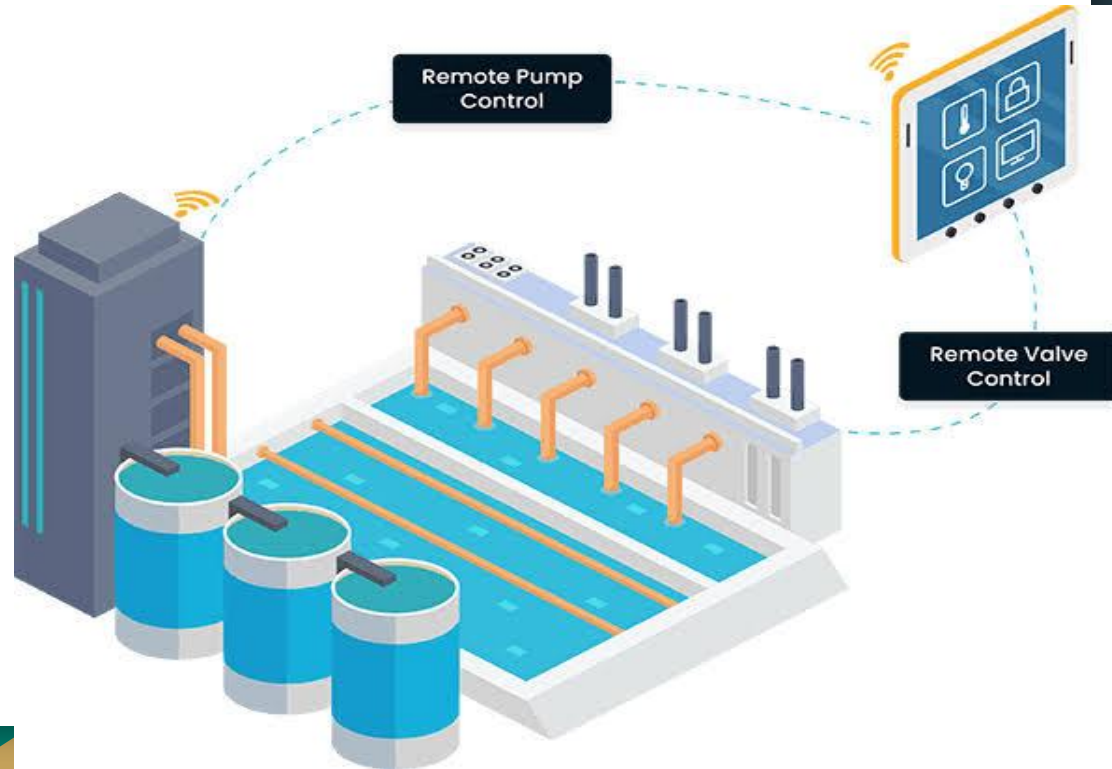
An Exclusive Insight

The loT-integrated smart water Managemnent system is currently the greatest method for effectively saving water. The smart loT water measuring devices are used to measure the water supply in both industrial and commercial setings. A number of sensors, including those for pressure, volume, pH, and turbidity, are mounted throughout the pipelines to collect data and send it to cloud storage. The sensors described above are mostly used to test the water's quality in a specific way.
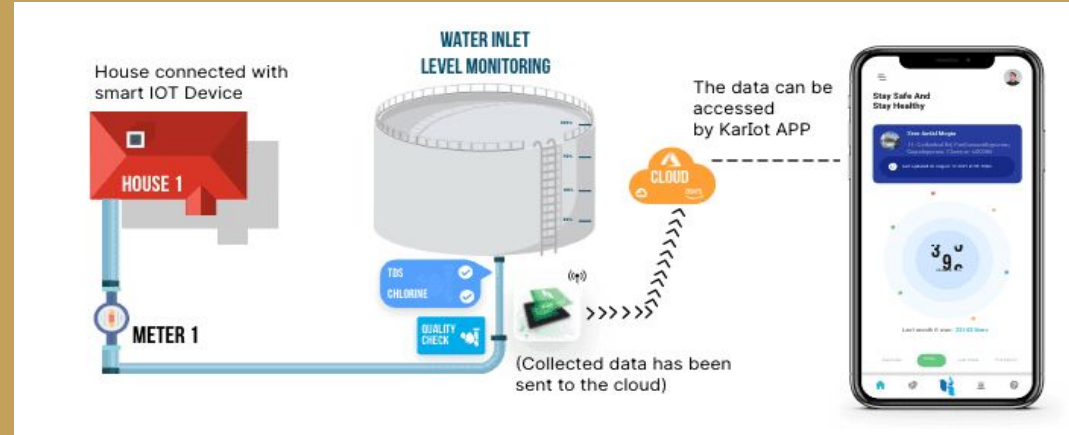
The water is then directed towards the overhead tanks. Here, it is also possible to measure the quantity and quality of the water. It is clearly seen using clever smartphone apps. To conserve water and use it correctly, the government must intervene immediately and offer smart protocols. Saving water is inevitably encouraged if using it is required to earn credit. By starting a water supply, it is also possible to identify any leaks in the system's overall pipes.

Role of IoT in Water Industry

- Water Preservation
- Smart Irrigation
- Smart Water Management
- Systematic Smart Water Units

While discussing in detail, most of the houses in our country especially in the southern part, the people have constructed large wells where the water is pumped easily to fulfill our daily needs.

Evolution of smart water management for the metropolitan city

Smart showers are known to have a control point at the output source. Today, it is possible to control the entire household's water system. Either a utility company or a relevant government is in charge of the whole water delivery. The monthly bills go to both the household and the industrial sectors. Usually, it is calculated using water metre measurements. The majority of people wonder how smart water metres are introduced. It is merely a typical question and not a major concern; it is not a big hypothetical one. It is simple to create smart water metres by adding sensors to conventional metres. Massive data collections have been analysed by intelligent systems, even when the distance factor is taken into account.

Role of Io'T in Agriculture

According to a statistics report, agriculture uses around 70% of the water that is used globally. This one automatically applies to improving roughly 90% of the Asian nations in the southern region. It is possible to drastically remove by utilising more modern IoT & AI technology. The irrigation procedure often follows an infinite strategy. An enormous plant's water needs are triggered by a number of variables. Practically speaking, it is impossible to quantify every issue. But as of right now, everything has changed and is moving in the right direction.