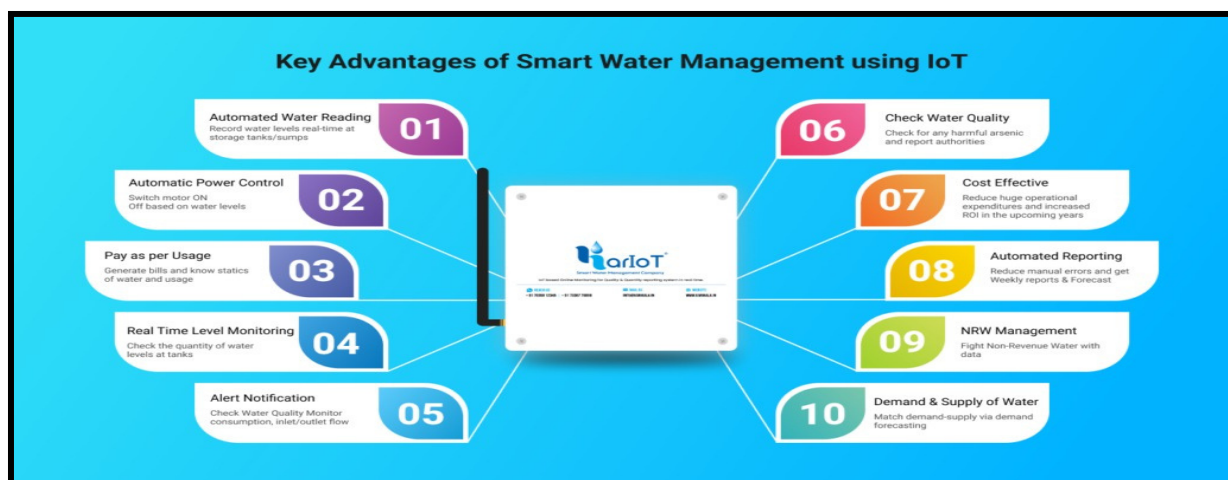


SMART WATER MANAGEMENT T

K.Naveen
au621421106026

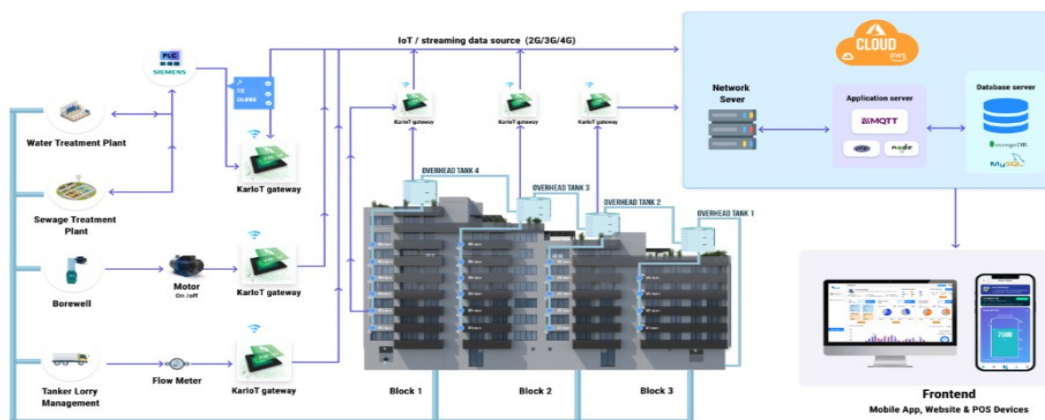
INTRODUCTION

Water is the basic requirement for the survival of humans and it is the most global valuable commodity. A recent report exclaims that by the year 2025, nearly two billion people will be spending their lives in water scarcity areas. To avoid this issue, it is better to implement an intelligent water management system. Nowadays, most techies are focusing on the new Smart Water Management using IoT. IoT is a gigantic technology that processes a standard process for industrial units. The water sector coerces 100% attention to multiple resources in relevant amounts. The smart water techniques offer enhanced regulation over a water body, or wastewater treatment plant. The on-demand app development companies have started to focus on the IoT sector.



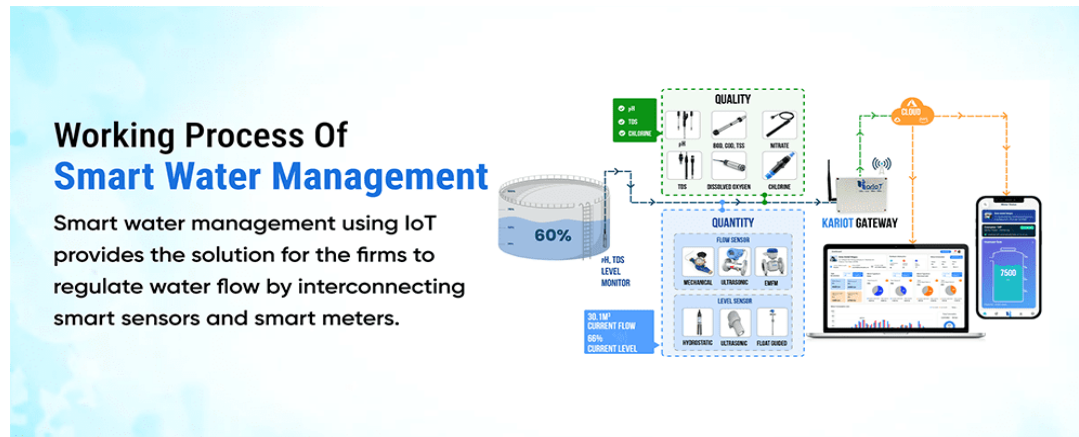
Benefit note

Internet of Things applies a series of proceedings & methodologies to satisfy the demands & needs with inadequacy in terms of quantity of water. The usage of sensors in industrial water areas advances the different sectors through real-time monitoring systems and instant alert systems. With the aid of IoT-driven scalable solutions, it is feasible to measure the level of misused water and & get immediate alerts when there is water leakage in the tank. Applying IoT techniques in the water system provides a series of advantages in the overall consumption pattern and provides efficient preservation of natural resources.



the present era, IoT provides support for multiple industries which is subjective with smart water management solutions. These solutions preserve the overall maintenance and usage of resources. SCADA stands for Supervisory Control and Data Acquisition regulates water distribution systems. SCADA is installed within the overall system. By integrating smart water management using IoT sensors, controlling leakage is feasible in real-time. A series of equipment like water sensors, IoT water flow meters, valves, and irrigation controllers track different measurements like water pressure, temperature, control of water, etc. The collective data of the IoT smart water management system helps multiple firms to analyze information related to real-time water resources. The IoT-enabled smart water management methodologies eradicate maintenance & operational cost..

Working process of Smart Water Management



Smart water management using IoT provides the solution for the firms to regulate water flow by interconnecting smart sensors and smart meters. The main role of the sensors and meters is to collect water flow data and generate analytical water performance reports. With the aid of web dashboards, industries observe the utilization of water.

What is the main objective?

The main aim of Smart Water Management is to recycle water resources. The objectives are explained in detail.

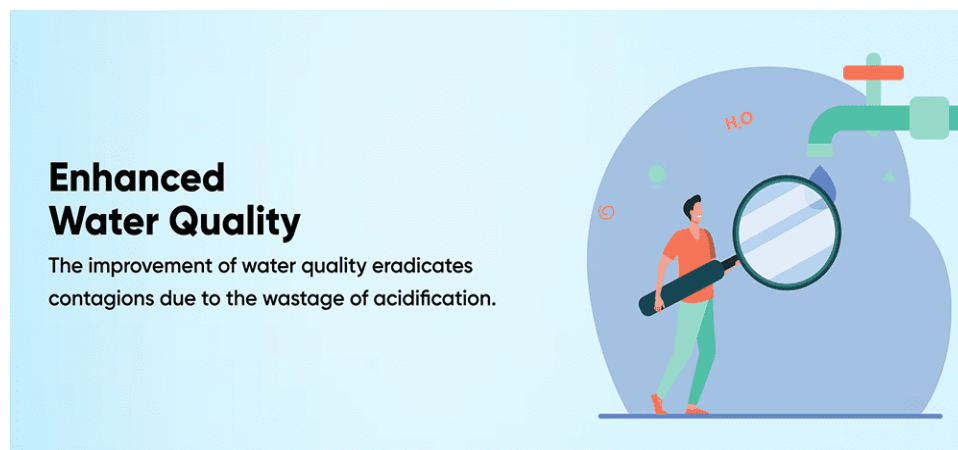
Eradication of wastage



Eradication of wastage

Smart water management aids to reduce water usage consumed in enormous amounts for different fields like agriculture, production sector, agriculture, etc. It contemplates the multiple practices of farming, agricultural applications, farming, etc. Mostly everyone has started to enforce agriculture software to process the tasks.

Enhanced water quality



Enhanced water quality

The improvement of water quality eradicates contagions due to the wastage of acidification. To enhance water quality, prominent industries are using trendier IoT techniques and sensors to regulate real-time monitoring.

Optimizes efficiency factor



Optimizes efficiency factor

The IoT-enabled smart water management aids in the improvement of the efficiency factor of water distributors and water treatment plants. By developing robust solutions, multiple firms maintain different measurements like temperature, the flow of water, pressure, etc. The overall preservation helps to eradicate downtime & detriment of apparatus.

Execution of leakage control

Execution Of Leakage Control

Water Leakage control by executing a Smart Water Management System. The Leakage Sensors are fixed along with the Pipelines.



Execution of leakage control

One can achieve water leakage control by executing a smart water management system. The leakage sensors are fixed along with the pipelines. A recent report estimates that nearly three billion dollars are needed to fix the impairment. The entire amount is calculated for about one year.