

# H2O TRACK WATER WELL MONITORING SYSTEM

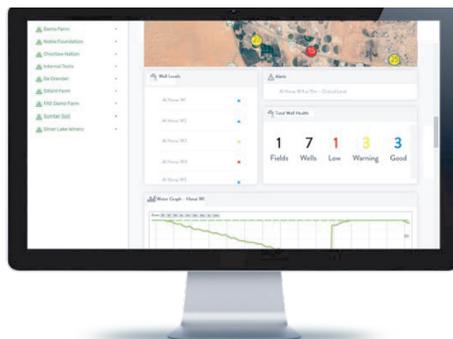


## OVERVIEW

30% of the Earth's freshwater resources are contained in aquifers beneath the surface. 69% remains inaccessible due to being locked in ice or glaciers. In many parts of the world water from aquifers provide the vast majority of agricultural and drinking water. This critical resource is being used up at an alarming rate. In many places it can take hundreds or even thousands of years to recharge the aquifers, leading to wells running dry and limiting access to water millions of people, farms and industry.

Tracking water levels and availability is critically important at multiple levels of use, from the individual farmer to national governments. Since aquifers often cross national boundaries, this information is important even to international trade and political organizations. Understanding water availability allows users to make policy and management decisions having immediate and long-term impacts on sustainable operations.

The H2O system uses a high grade industrial quality pressure sensor to provide long term, continuous monitoring of water levels within the well. The system can be used in deep or shallow wells with maximum water levels of 500m. Compact and rugged design makes for easy installation in multiple environments. CE and RoHS certified. Dynamic temperature and automatic barometric compensation result in high accuracy and reliability.



**Water is the basis for life and growth. Not fully knowing how much you have makes it really hard to guess how long it will last.**

## BENEFITS

Knowing the current availability of water allows users to make decisions about actions and their immediate impact which can prevent financial loss or more serious consequences. On a large scale, knowing the water availability and usage allows for predictive analysis of future water availability and long-term impacts on a region's ability to sustain itself. This is absolutely critical for informed policy decisions, investment and future growth.

- **Monitoring**  
H2OTrack monitors water levels in wells every two hours to track both usage and recharge rates.

- **Communication**  
The system operates utilizing the 2.4GHz frequency RPMA network available globally.

- **Environmental**  
The system uses lead-free components & is fully RoHS compliant for safe use in water wells.

## FACTS



Agriculture accounts for 70-80% of total global freshwater consumption



40% of current freshwater needs are unmet globally



The value of water is local; scarcity and access drive most of the perceived value

Characteristics	Corrosive-Proof WaterProof IP68
Interference	High RFI & EMI Resistance
Pressure Range	0-10 Bar
Accuracy	≤0.5% FS
Working Temp	-30° C to 70° C