OVERVIEW

The vast majority of irrigated farmland in the world relies on flood or furrow irrigation. Used for thousands of years, this technique is proven to work. But often, the great majority of water is not utilized by the crop. Knowing how much water is needed is a critical component to efficient flood irrigation. But knowing how much is needed is only the first step; to get the right amount to the right places requires knowing what's available right now. That's where the Intelliflood system comes in.

The Intelliflood irrigation canal monitoring system provides near-real time water levels throughout an irrigation canal network keeping irrigation managers informed and even sending notifications if water levels exceed minimum or maximum levels. The systems are generally deployed near canal gates to help managers know when to open and close gates to allow the right amount of water to the right block at the right time.

Water levels are measured at regular intervals and communicated wirelessly through a secure cloud-based system. They are then displayed on an intuitive data portal so irrigation managers can see all of the water resources under their responsibility and make the most informed decisions to maximize water efficiency across the irrigation system. The Intelliflood system is fully interoperable with the complete line of smart farm products by Agrisource Data.

The Intelliflood system is built to work on the RPMA network globally. All components are ruggedized for prolonged deployment in the typical agricultural environment. The system was built to operate in both running and still water.

“"There is nothing more powerful in the production of food than the control over the supply of life-giving water.”""

BENEFITS

The Intelliflood irrigation canal monitoring system allows farm managers to visualize water levels across their entire operation, leading to better decisions about water management. 24/7 remote access means no more guesswork about water levels which ensures the right amount of water to the crop at the right time. It also reduces the time, fuel, and labor required for manual monitoring as used in most current systems.

- **Monitoring**
Intelliflood uses a non-contact sensing solution to monitor water levels to allow for the most versatile deployment options.

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

- **Endurance**
The system can operate for up to 24 months on battery or upgraded to solar for longer life.

- **Environmental**
The system uses lead-free components & is fully RoHS compliant.

FACTS

- **Proper application of water is the most important variable in crop production.**

- **Communication is often a major limiting factor in rural areas; RPMA solves that.**

- **Proper application of farm resources is vital to success (H2O, Time, Fuel, & Labor).**

- **Seeing the big picture often leads to better decisions at the field level and more favorable outcomes.**