



Precision Agriculture Case Study

Bringing accuracy, automation, and safety assurance to farming.

Challenge

Managing hundreds of acres of prestigious farm land takes a great deal of effort. Time consuming, manual water level and soil moisture measurements are critical to help farmers determine which fields need to be irrigated and for how long. The process is tedious, accuracy can fluctuate, and crew safety is always a concern.

Solution

Digi was invited to explore current workflows and devise a plan to bring accuracy, automation, sustainability, and safety assurance to the fields. Digi implemented the use of **Digi Connect® Sensor+** for remote monitoring of ambient temperature, water levels and soil moisture. The **Digi Z45 Industrial Controller** uses this data to adjust water levels in irrigation canals with a combination of automated water gates and pump system controls throughout the entire field management process.

Outcome

Automation of field operations with Digi led to improved safety, reduced staff hours, lower water usage, precise water and soil data, healthier crops, higher crop yields and greater profits.



Easy Integration



Operations Monitoring



Remote Control



Alerting and Reporting



Explore our [Sensor Connectivity](#) solutions →

For more information, visit:

www.digi.com

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