

# Water Irrigation Canal Radar Level Measurement



When a Michigan farm company needed reliable level measurement of their irrigation canals, they turned to Flowline. Located adjacent to a wetland, a series of canals feed the nearby farms with fresh water during the growing season. Each canal has a weir, motorized gate and level sensor that are networked via wireless SCADA. The gates are adjusted weekly based on weather and water demand. The owner said that previous ultrasonic level sensors became erratic during their summer rain or high wind events, and they needed reliable level measurement. For this reason, Flowline suggested our radar sensors that are unaffected by weather, and ideal for canal applications. The **radar sensors** provide reliable level data to the SCADA which monitors the canals and controls the gates. Flowline is reliable level measurement.