**Problem**
Common irrigation methods require excessive time, inconsistent water usage, and consistent monitoring.

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**System Overview**

- Battery
- Start
- Microprocessor
- PWM
- Drive Motors
- Position
- Valve Actuator
- End
- Valve Sensor
- Anti-collision Sensor

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**Project Impact**
The Robotic Irrigation System will eliminate the constant need of visual monitoring irrigation sets, conserving both time and water. By increasing water conservation and decreasing the amount of time exhausted monitoring water flow, agriculturalists will be able to water more acreage, increase daily productivity, and maintain a more stable seasonal work schedule. These benefits will ultimately lead to a larger end of year profit for the farm.