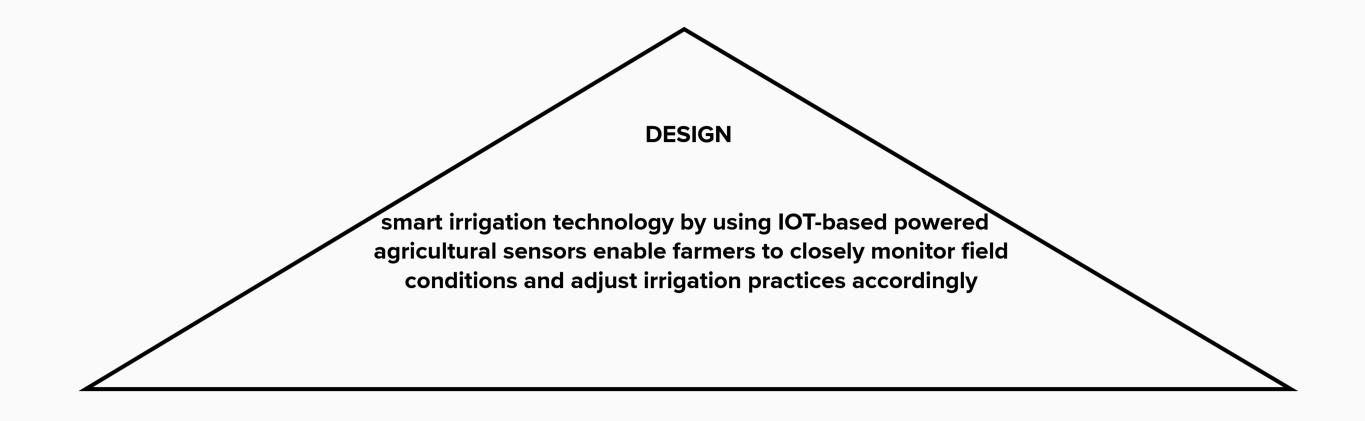
# SOLUTION ARCHITECTURE



### USABILITY

Agricultural sensors help the farmers by providing information on pressure, humidity temperature and also provide data that helps farmers to monitor and optimize crops with environmental conditions and challenges.

#### **RELIABILITY**

Reliability requirements were solved using linear programming and evaluated with different demands and protection schemes. Results show that protection schemes guarantee high reliability.

## FUNCTIONALITY

This technology maximizes irrigation efficiency by reducing waste water while maintaining plant health and quality.

This system consists of a water pump that sprinkles water based on the data produced by sensors about moisture, and temperature.

This helps in saving water.

# GRAPH

