

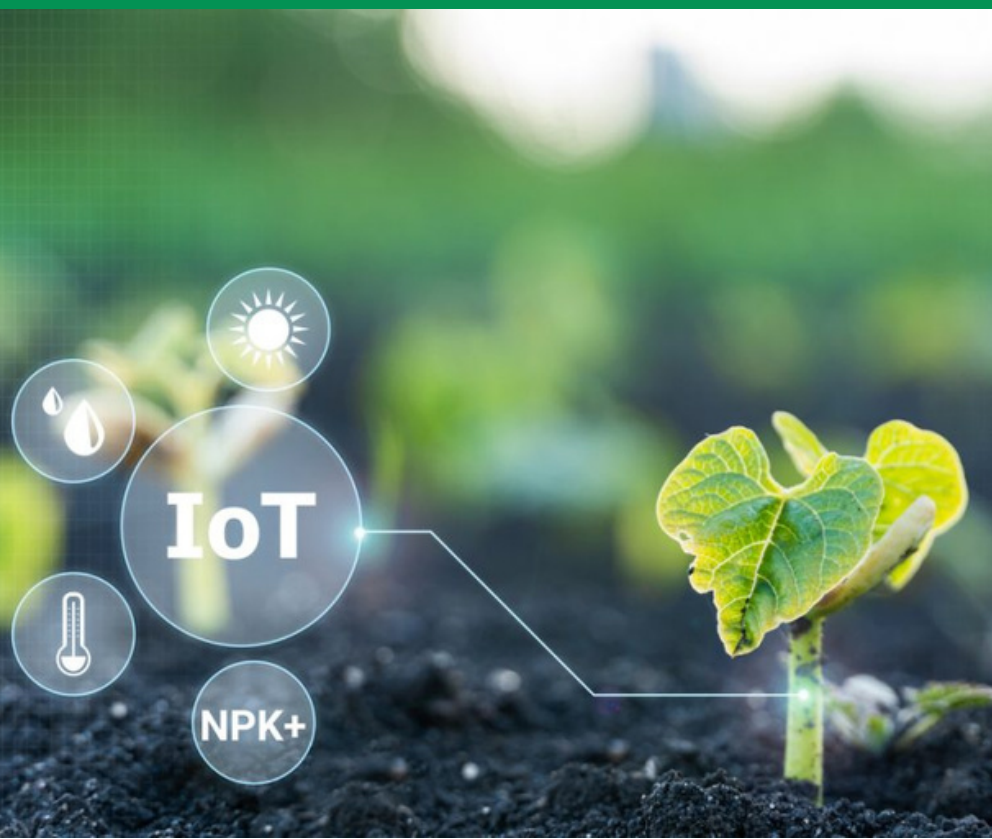


# SMART AGRICULTURE

IoT enabled Agri Farms



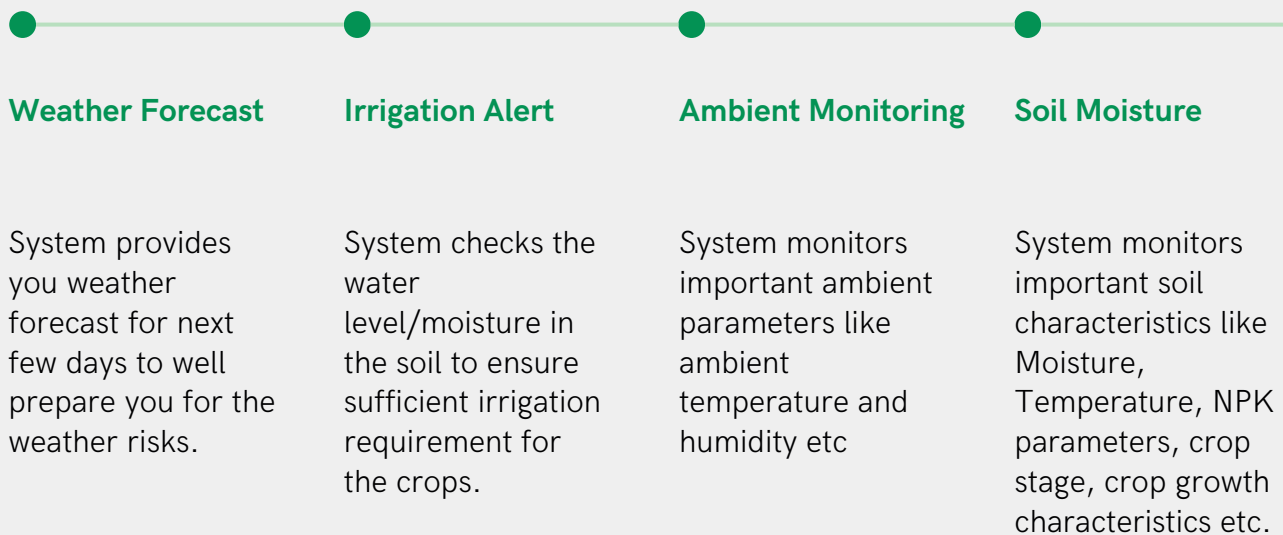
Agri-Smart  
IoT Devices & Dashboard



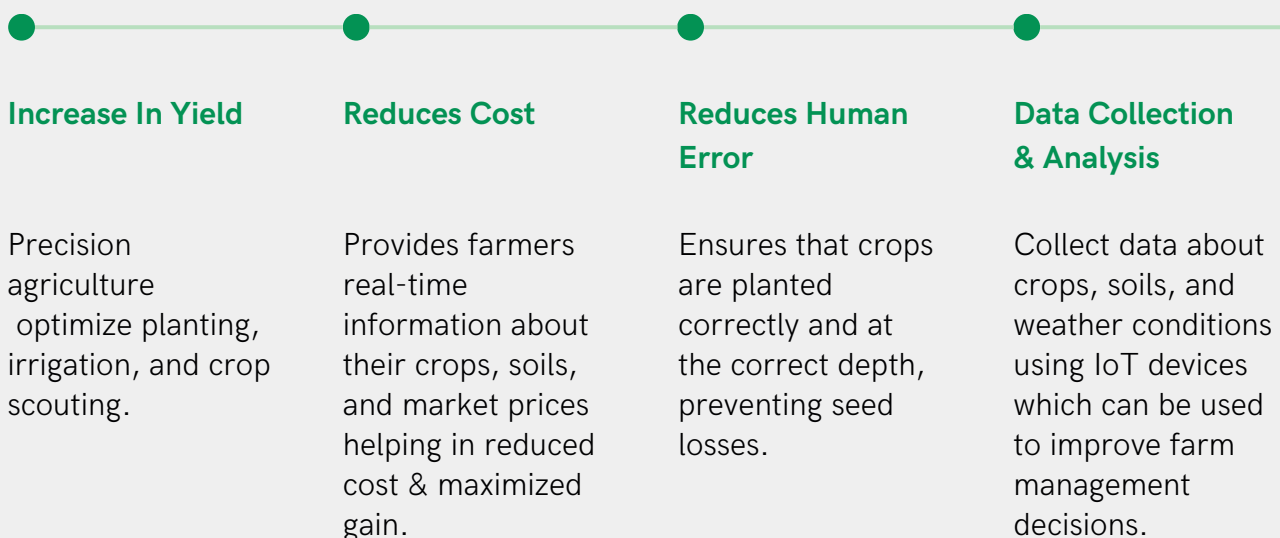
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# OUR SOLUTION

The solution focuses on collecting and visualizing data acquired from several IoT integrated sensors deployed in a crop health management solution as plants need to be protected from harmful weather conditions when they are still delicate and particularly prone to diseases.



## Benefits of Smart Agriculture Practices



# OUR DEVICES

## End Sensor Nodes - LoRa



### Features

- LoRa/2G/4G -LTE Transmitter Module
- Frequency 803-930 MHz
- NPK, EC, pH, Temp, Moisture Soil Sensor
- Ambient Temp & Humidity Sensing
- Industrial Grade IP 68 /65 Sensor
- Low power consumption model
- Solar Powered with battery backup
- Data Storage and up to 2 years Data Retention
- Soil Quality/Crop Growth Analysis
- Irrigation Alerts

## Private LoRa Gateway



### Features

- 8 Channel LoRa Receiver
- Frequency 803-930 MHz
- 2G/4G -LTE/Wi-Fi to Cloud
- Capable of receiving samples from multiple end nodes
- Industrial Grade IP65
- Input 5-12V, 2A DC Adapter
- Operating Temp -20 to +65 C
- Data Storage and up to 2 years Data Retention

# ARCHITECTURE

