System Architecture Precision Farming

Application Layer

Remote Devices(Phone , Computer)

Farmers

External Systems

Service Layer

Database ⟶ Data Management ⟶

1.   Data Analysis
2.   Data Processing
3. Information Management
4. Information comparison
5.   Alert 🚨   and error

Network Layer

Data transmission

1.   WIFI
2.   5G
3.   GPS

Communication Between devices

1.   Bluetooth
2.   Zigbee
3.   Other

Sensor Layer

- Drones (camera)
- Temperature
- Humidity
- Rain 🌧️
- CO2

- Moisture
- Sun 🌞 Light
- Wind 🌀 speed / Direction
- Vehicle 🚙 on board sensors