

SenseQube

An IoT Platform For Smart Agriculture

Problem: Crop Damage And Yield Reduction
 Irregular irrigation practices ⇒ Gummosis disease in Orange Orchards ⇒ Crop Yield Reduction

Solution: SenseQube - A Low Cost IoT Platform for Smart Agriculture
Estimates: Crop Water Requirement, Water Use Efficiency, Disease Susceptibility
A Preventive Measure against Disease



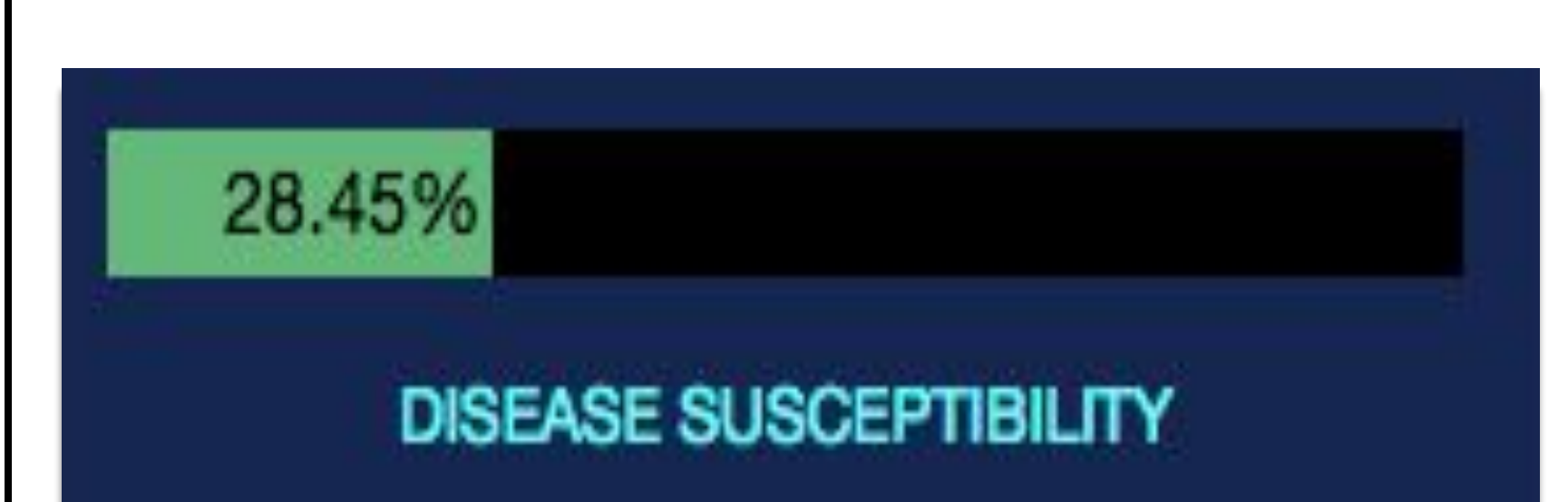
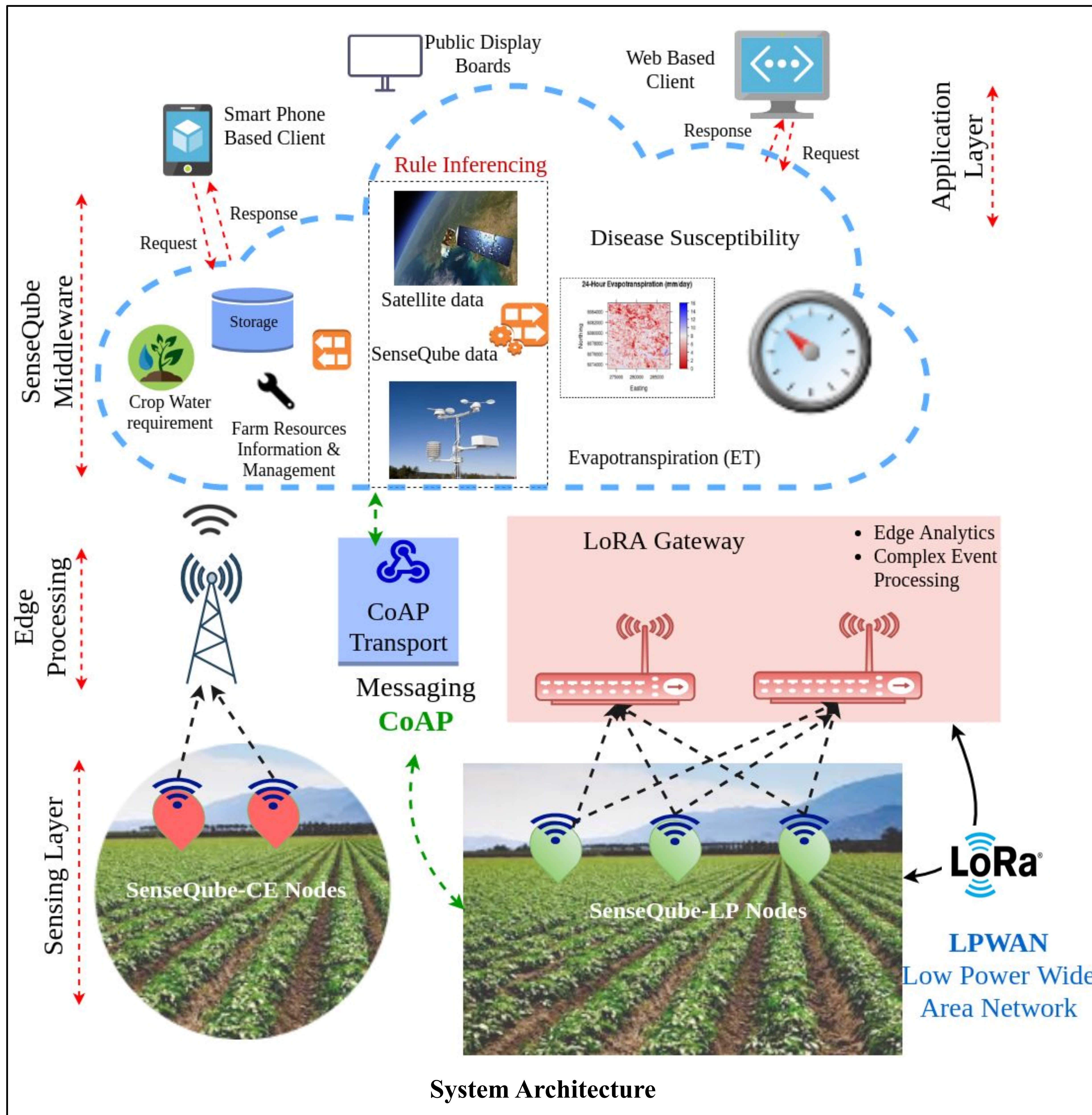
Field Deployment: Side View



Field Deployment: Front View

What do you get with SenseQube

 Sensor Based Field Mapping	 Complex Event Processing
 Real Time Insights	 Disease Susceptibility Indicator
 Water Use Efficiency	 Crop Water Requirement
 Embedded Plug and Play Architecture	 Unified Dashboard



Snapshot of the Mobile App Dashboard

Specifications

Variants
 SenseQube- CE: Cellular Technology
 SenseQube- LP: LPWAN Technology

Standards

- LPWAN Protocol with Constrained Application Protocol (CoAP)
- Wi-Fi IEEE 802.11
- OGC Sensor Observation Service v 1.1



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