

Soil Moisture Sensing And Automating Drip Irrigation

Discover new Possibilities

AUTOMATE

Smart Irrigation Product Brochure

Will it be better, if your drip starts only when the plant needs water, and then turns itself off automatically?

Today a visual inspection of top-soil or set schedule is used for irrigation.

Sasya Smart Irrigation measures soil moisture through sensors and the amount of water required is calculated based on crop type and stage, to turn ON/OFF the drip irrigation automatically.

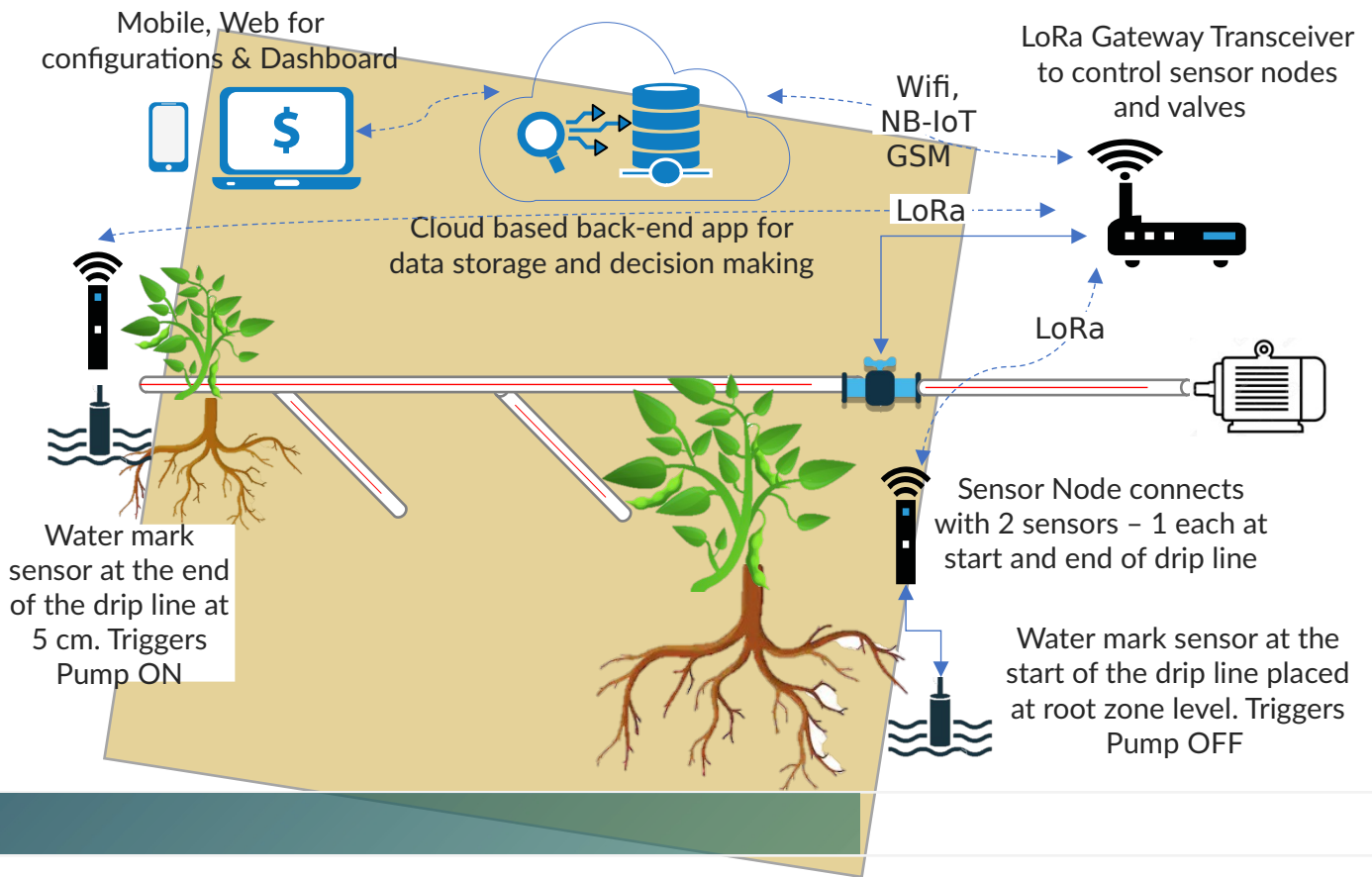


- No over or under irrigation.
- Save water & prevent fertilizer leaching
- Irrigate as per soil & crop need

Fit Sasya Smart Irrigation and forget irrigation worries. Day or Night.

Smart Irrigation

Sasya Smart Irrigation working



Highlights



Multi-level soil moisture Sensors: Surface, target root zone & at drainage level

Sensor Nodes: Battery & Solar powered



Gateway cum Pump Controller: Local brain



Soil Moisture Potential Tables: Triggers for multiple drip irrigated crops

Multiple Connectivity modes: Wifi, GSM, NB-IoT, LoRa tech



Actuation: Multi-zone Relays for actuation of Water pumps

Mobile App: Mobile app to set limits and check status of system

Benefits

30% Reduction of water usage, even in drip irrigation

15% Reduction of Fertilizer usage, automation of

40% Saving of manual labour and consumables due to automation of pump control

Full Retro-fitment in your existing valves & starters

No Drop in crop yield, despite reduction in input resources

Zero Cost consulting for solution design and technical support



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