

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.

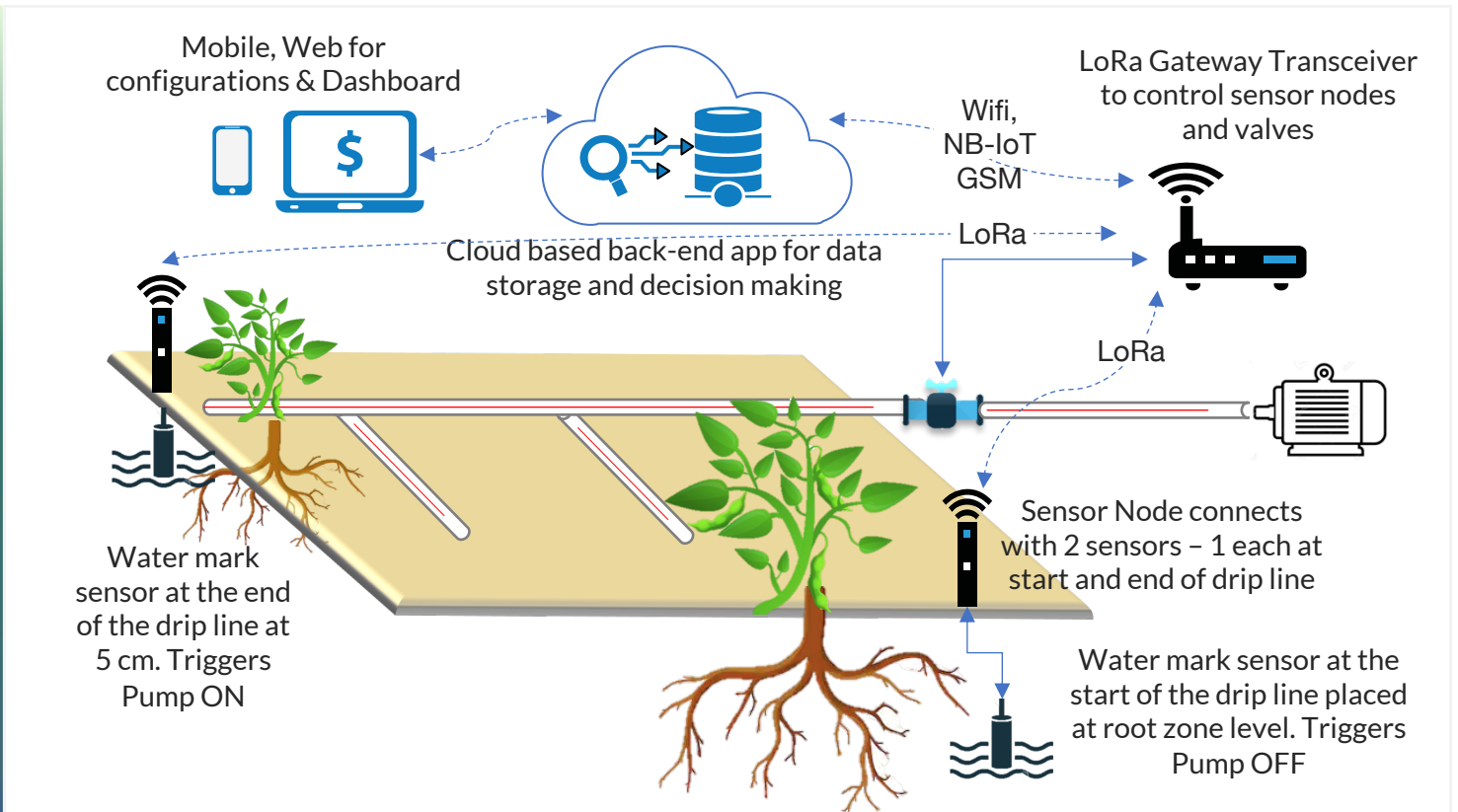
Sasya Smart Irrigation measures soil moisture through sensors and the amount of water required is calculated based on crop type and stage, to turn ON/OFF the drip irrigation automatically.










- 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.

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 venturi
- 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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