SPACETECH FOR FARMING

yahsat الياه سات

WHAT IS THE CUSTOMER CHALLENGE?

- Water waste in irrigation
- No correlation between the soil condition and amount of water required for irrigation

WHO IS FACING THIS PROBLEM?

- Farmers
- Gardens
- Parks

INTRODUCING THURAYA SMART IRRIGATION SOLUTION

Autonomous Soil Sensors, Valve Actuators, and connected weather station to reduce water usage for better quality green spaces.

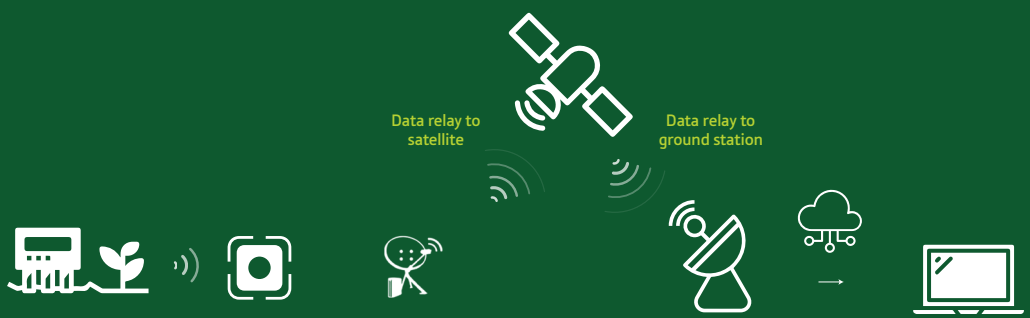
- Soil Sensors : For determining water needed for optimal plant growth.
- Real-Time monitoring: Analyse various soil data like soil moisture, soil temperature, Volumetric Water Content, electro-conductivity, Salinity etc and weather conditions to optimise water usage.
- Remote Irrigation: Controlling irrigation systems using online platforms to adjust schedules, activate, de-activate and automate systems and troubleshooting.
- Using Solar Panels and battery operated sensors and controllers to power smart irrigation in areas off the power grid.

NAJHUM

IMPACT

1. Over 20% in water savings
2. Increased yield of vegetation
3. Reduced carbon footprint
4. Improved quality of green spaces
5. Reduced cabling infrastructure
6. Reduced impact of over-watering

HOW DOES IT WORK?



www.yahsat.com

In collaboration with NAJHUM