COMPLETE IoT SOLUTION

FOR COMMUNITY AND LIFT IRRIGATION

Available on

GET IT ON Google Play

Available on the App Store

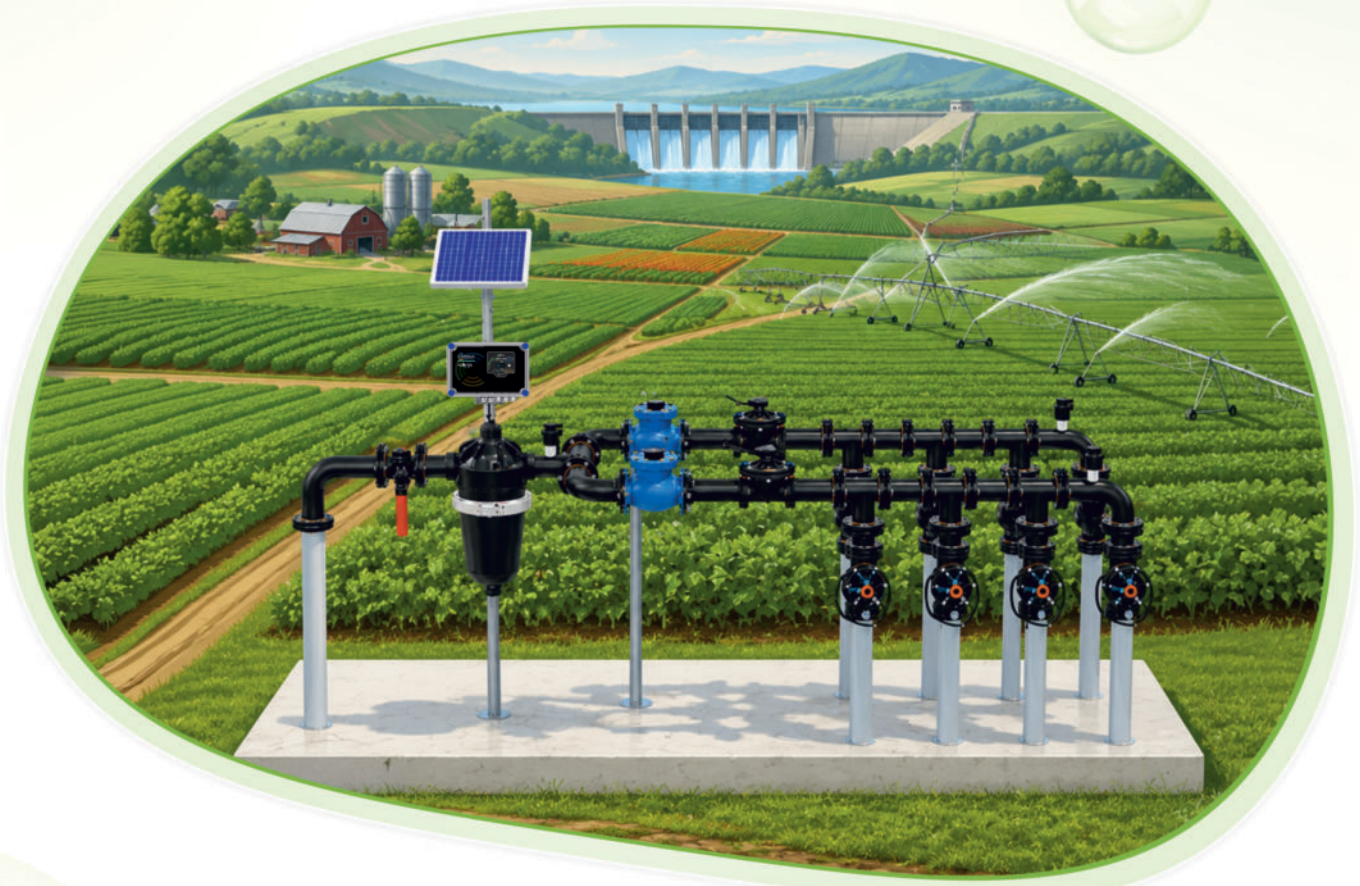
LoRa

2 km* Command Area Coverage

PUMP . VALVE . FLOW . PRESSURE . ENVIRONMENTAL DATA . SCADA INTEGRATION

Community & Lift Irrigation Management System

OMS (Outlet Management System) is an AI- and IoT-powered automation platform built for dams, reservoirs, and large irrigation networks. It enables centralized control of multiple tanks and sumps, each serving 50+ farms, ensuring efficient distribution, minimal wastage, and sustainable water use. Designed for scale and reliability, Flocon Ag delivers intelligent, low effort, high control water management.



The Power Behind OMS

- **4G LTE** Support
- **Bluetooth & Wifi** Support
- Mobile **App & Web** Application Control
- In-built **GPS**
- Easy Support for **Sensor Integration**

Community & Lift Irrigation Management System

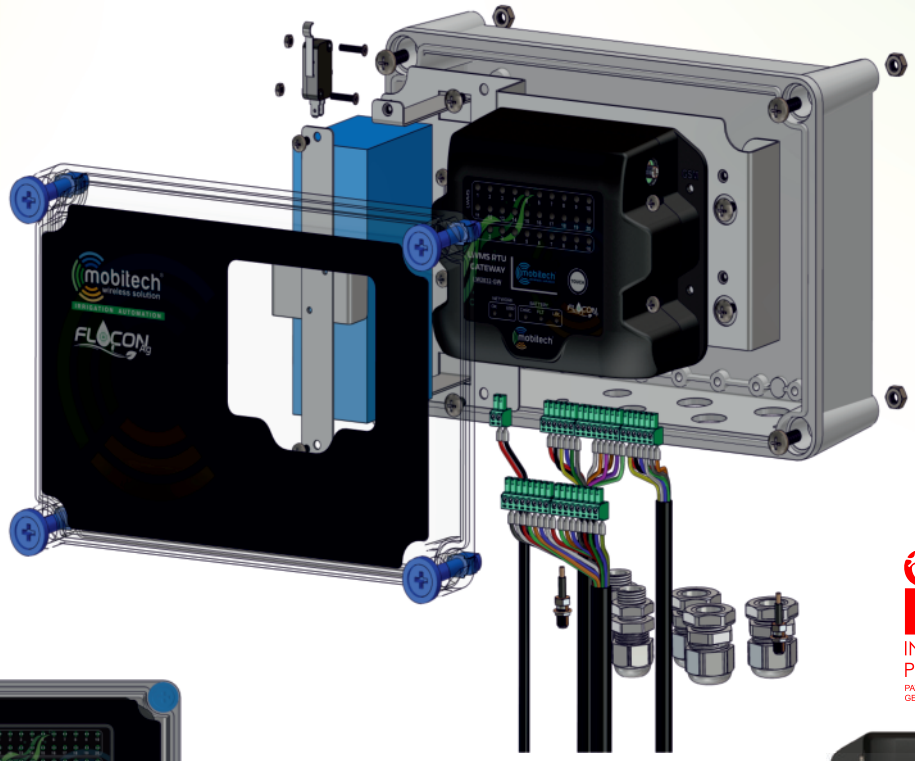
An Overview

Efficient water management at a large scale has become essential for sustaining agriculture, optimizing resources, and improving operational control. Traditional irrigation systems are limited to individual farms, but modern water infrastructure demands integrated, data driven automation. Large reservoirs, sub-tanks, and distribution sumps must work in synchronization to ensure reliable water delivery to vast command areas. OMS addresses this challenge by enabling centralized monitoring, automated scheduling, and intelligent control across entire irrigation ecosystems transforming how water is managed from source to soil.

OMS - GATEWAY

Outlet Management System

The OMS Gateway is a high performance communication link designed for agriculture field connectivity. Acts as the central brain connecting RTUs & AMS units. It offers robust control for up to **20 RTU Units and 10 AMS Units**, providing a powerful signal coverage that extends up to a 2km radius.



Outlet Management Unit

INTELLECTUAL PROPERTY **INDIA**
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

GATEWAY

Bluetooth

LED Indicators

OLED Display

Integrated **GPS**

Battery Operated

OMS - GATEWAY

Outlet Management System

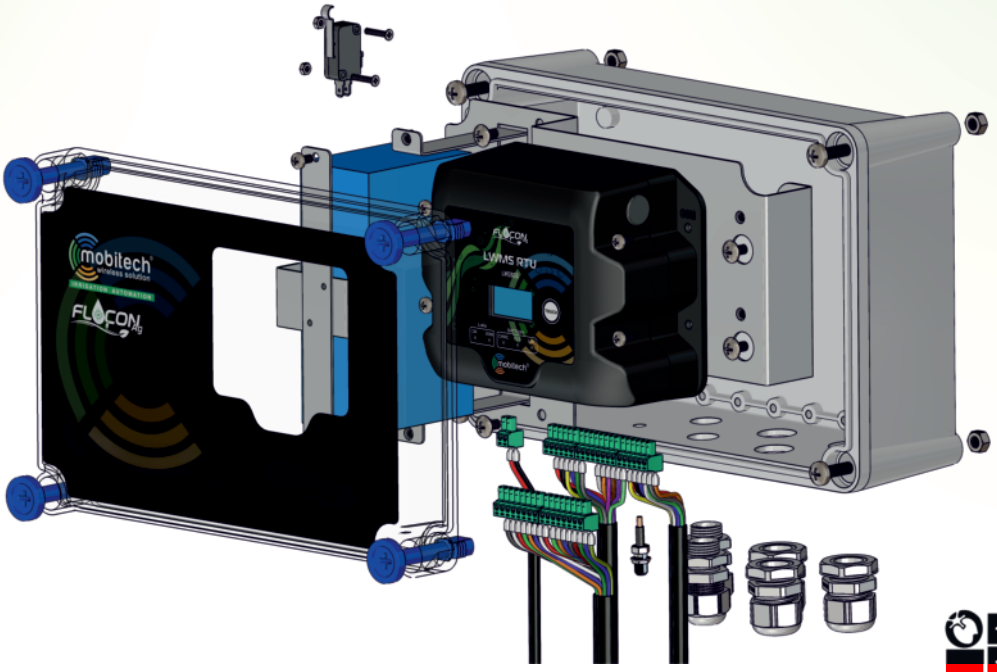
FEATURE HIGHLIGHTS

- Battery Operated with solar panel, Inbuilt BMS and battery Fuel Gauge.
- GSM Communication for server.
- GPS for location and time.
- BLE for local configuration (**Ease Installation and Testing**).
- LoRA Communication.
- LED Indication to check the RTU Communication
  (**Green – Ok / Red – Communication error**)
- OLED to display flow value and valve ON/OFF status indication.
- LED indication for battery status(**i.e., Charging, Error and Low Battery cutoff**)
- Water Flow Control & Alert.
- Water Pressure Monitor & Alert.
- Timer mode: Scheduled and Manual.
- IP rated Waterproof Enclosure.

OMS - RTU

Outlet Management System

The OMS RTU is a rugged field controller designed for real-time data acquisition and remote automation. It links seamlessly with the OMS Gateway to provide reliable site monitoring over long distances.



INTELLECTUAL PROPERTY **INDIA**
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Outlet Management Unit

RTU

Bluetooth

LED Indicators

Integrated **GPS**

Battery Operated

OMS - RTU

Outlet Management System

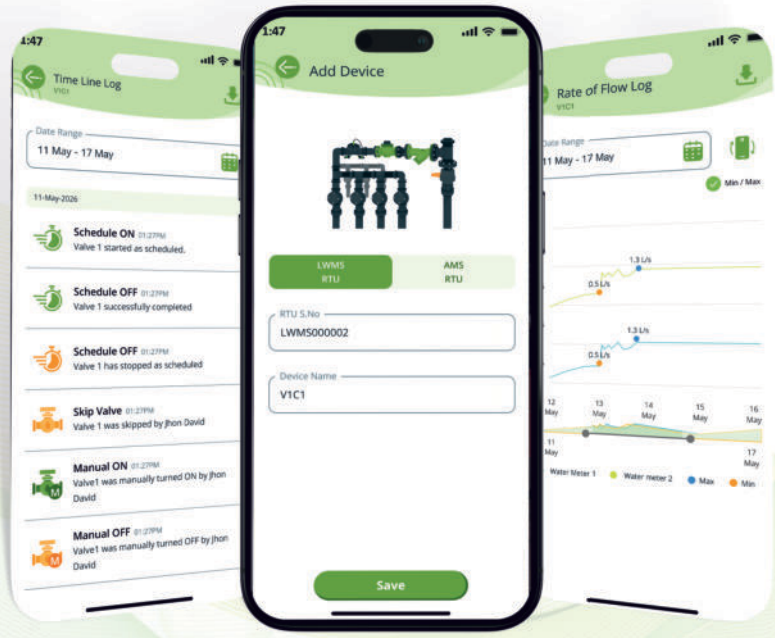
FEATURE HIGHLIGHTS

- Battery Operated with solar panel, Inbuilt BMS, and battery Fuel Gauge.
- GPS for location and time.
- BLE for local configuration (**Ease Installation and Testing**).
- OLED to display flow value and valve ON/OFF status indication.
- LED indication for battery status(i.e., Charging, Error and Low Battery cutoff)
- Water Flow Control & Alert.
- Water Pressure Monitor & Alert.
- Timer mode: Scheduled and Manual.
- IP rated Waterproof Enclosure.
- Interfacing options: Pressure sensor – 3 Nos, Water meter – 2 Nos
- Door Status Indication – 2 Nos, Flow control valve – 2 Nos & Latch Solenoid valve – 8 Nos

Interface

FLOCON Ag

SCAN FOR APP



300000+
installation across india

Manufacturer

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mobitech® wireless solution
IRRIGATION AUTOMATION

Product Catalogue

Version 2.1