

Flocon Ag

COMPLETE IoT SOLUTION FOR COMMUNITY AND LIFT IRRIGATION



Available on



2 km*
Command Area
Coverage

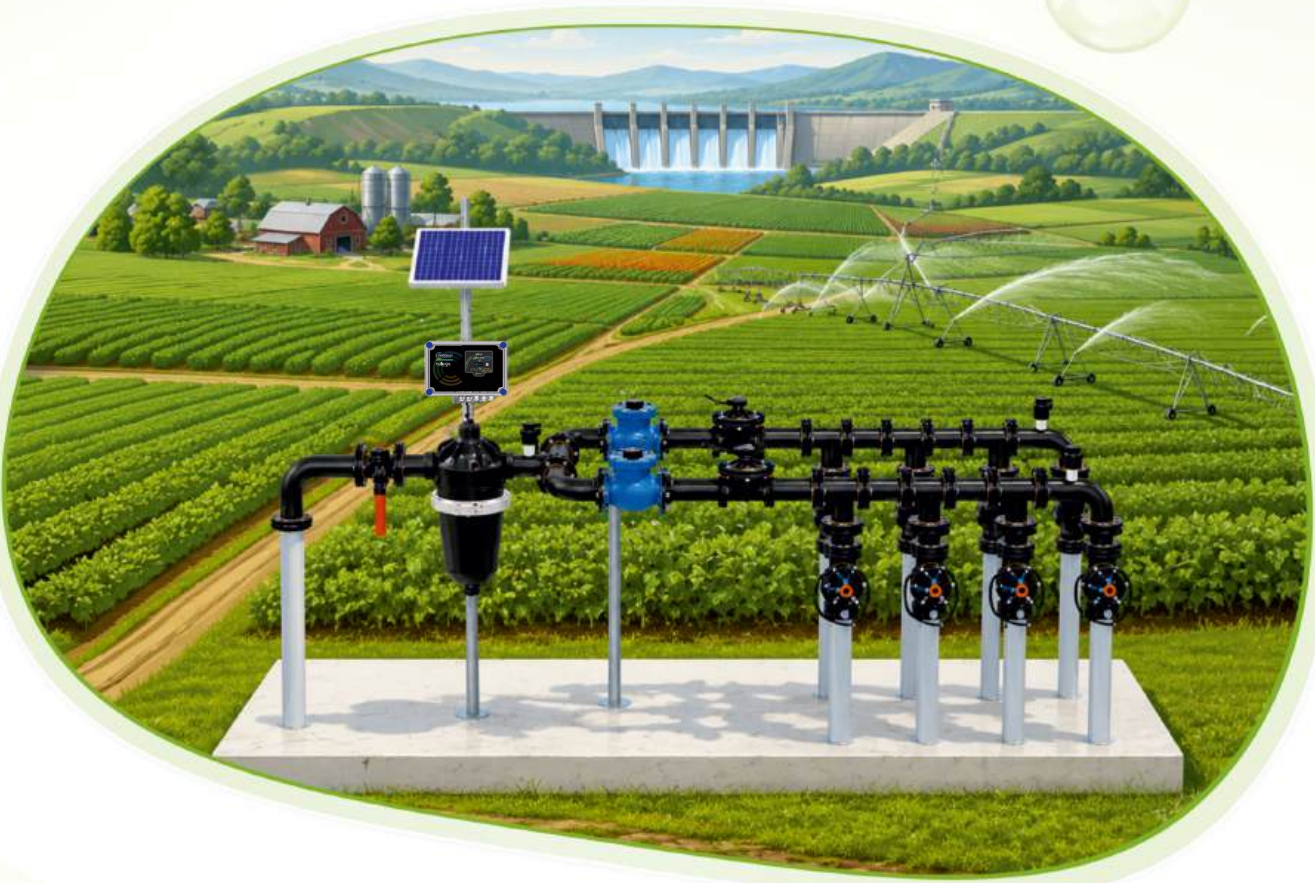


**PUMP . VALVE . FLOW . PRESSURE .
ENVIRONMENTAL DATA . SCADA INTEGRATION**



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-stations, 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.



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



Outlet
Management
Unit



GATEWAY



Bluetooth



LED Indicators



OLED
Display



Integrated
GPS



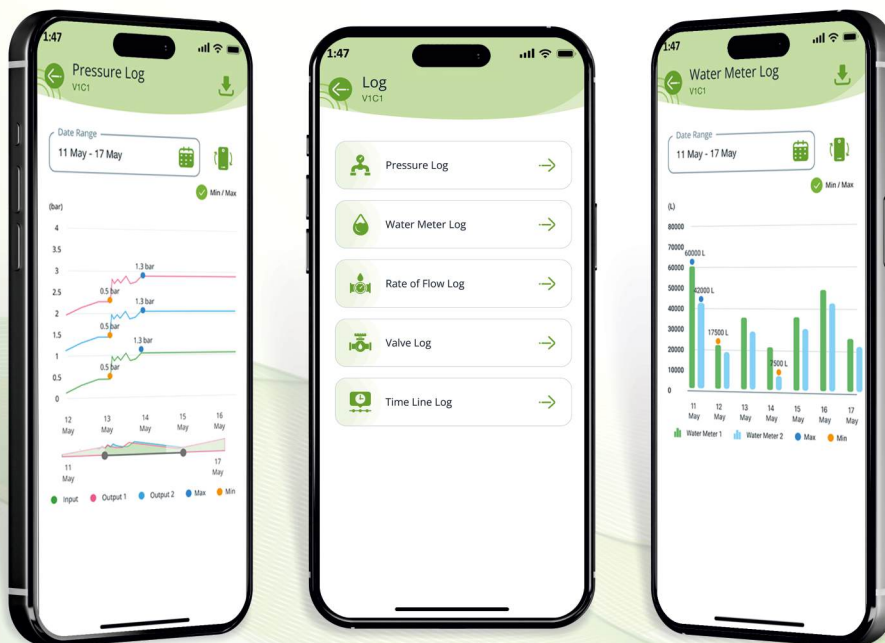
Battery
Operated

OMS - GATEWAY

Outlet Management System

FEATURE HIGHLIGHTS

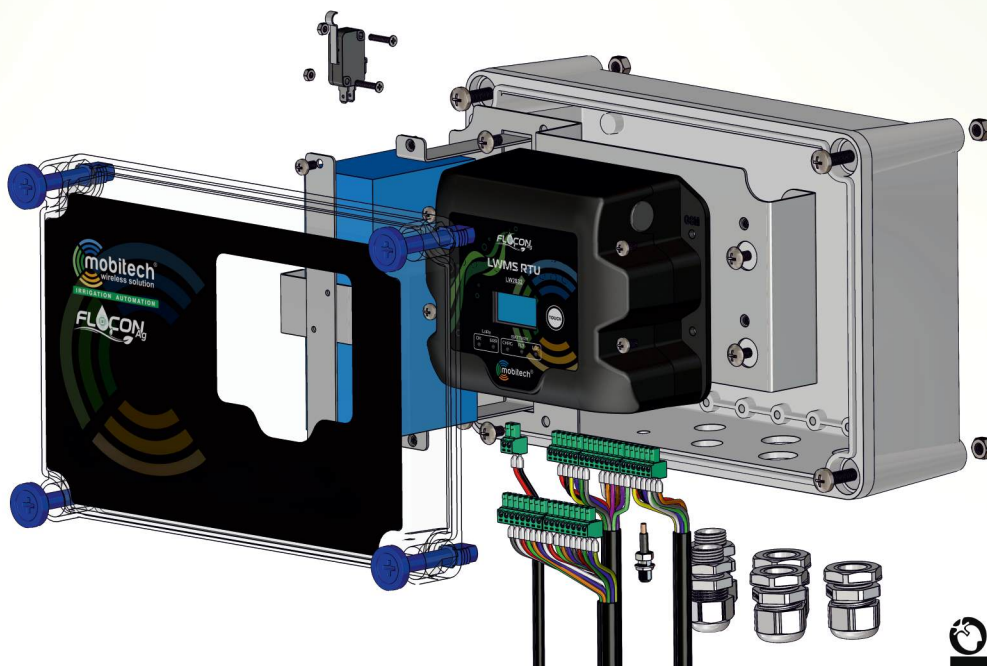
- Battery Operated with solar panel, Inbuilt BMS and battery Fuel Gauge.
- GSM Communication for server.
- GPS for location and time.
- BLE for local configuration (**Ease Installation and Testing**).
- LoRA Communication.
- LED Indication to check the RTU Communication
(**Green – Ok / Red – Communication 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



GATEWAY



Bluetooth



LED
Indicators



Integrated GPS



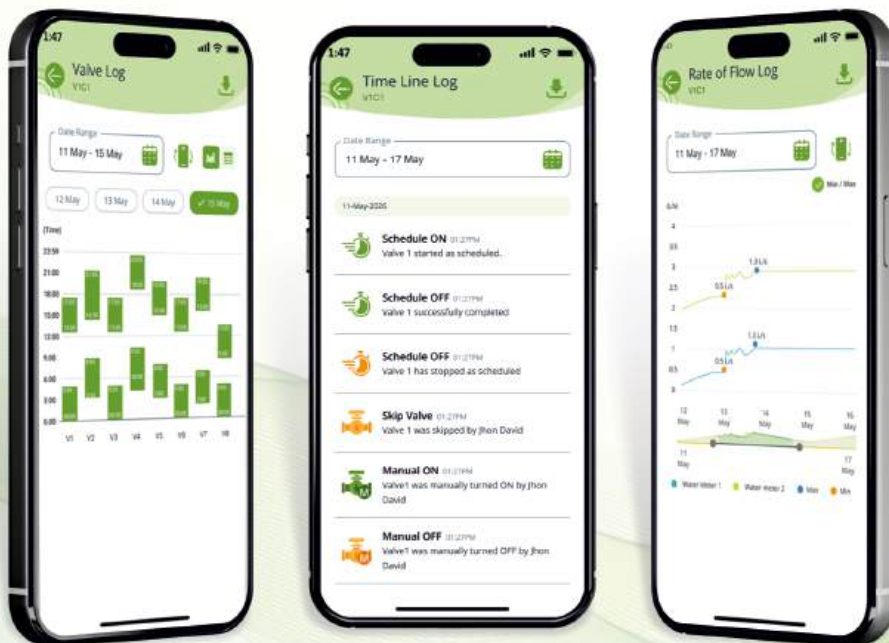
Battery
Operated

OMS - RTU

Outlet Management System

FEATURE HIGHLIGHTS

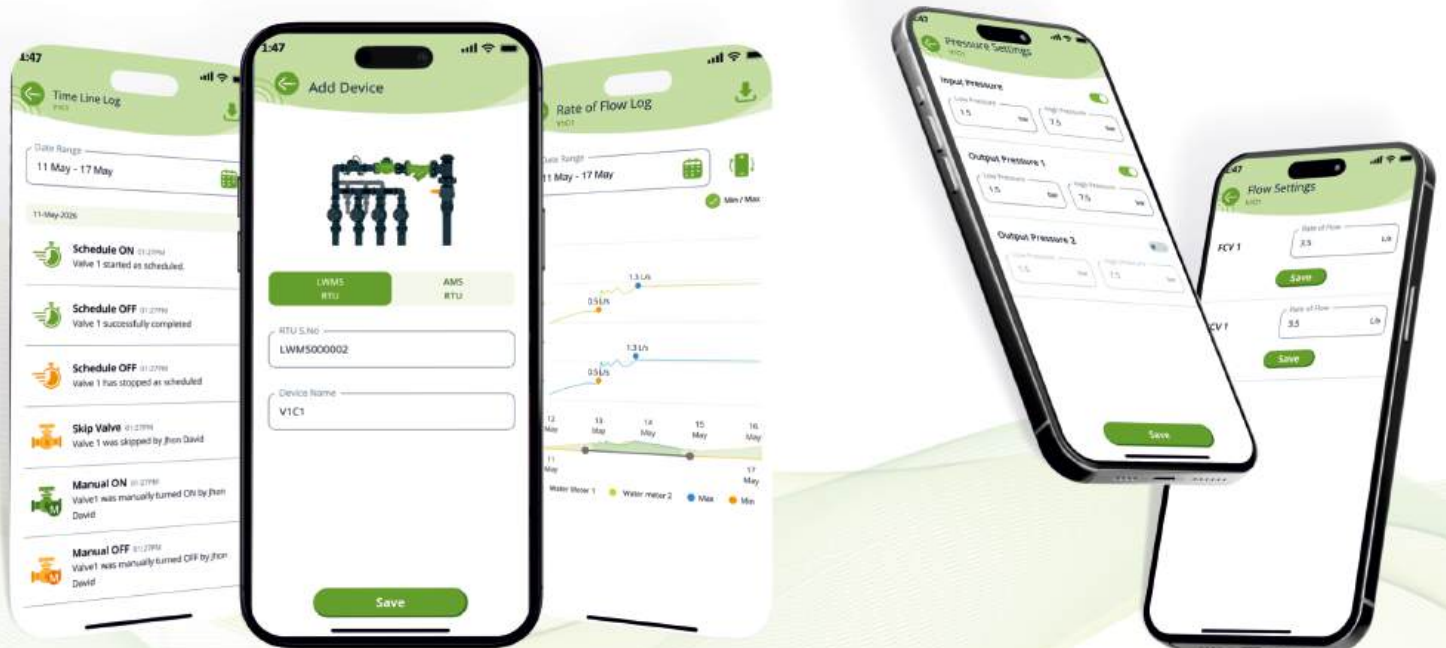
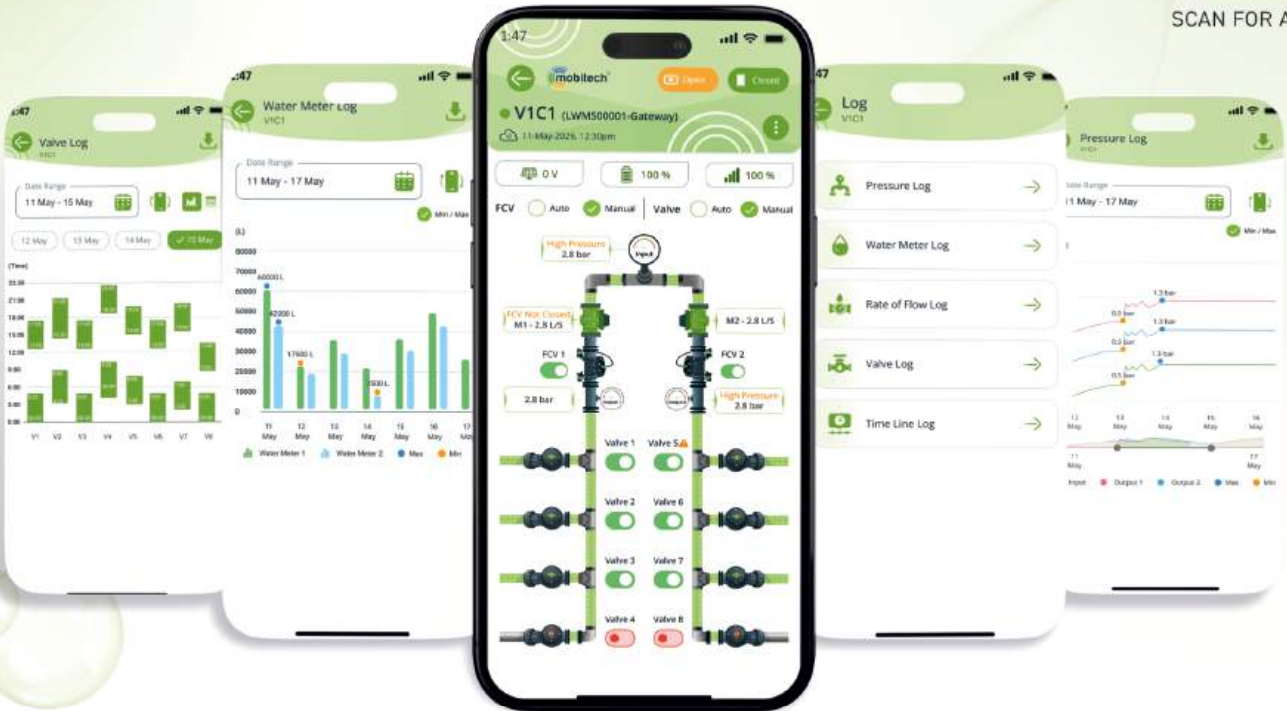
- Battery Operated with solar panel, Inbuilt BMS, and battery Fuel Gauge.
- GPS for location and time.
- BLE for local configuration (**Ease Installation and Testing**).
- OLED to display flow value and valve ON/OFF status indication.
- LED indication for battery status(i.e., Charging, Error and Low 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



SCAN FOR APP



300000+

installation across india

Manufacturer

Mobitech Wireless Solution Private Limited

#1/4, Vengamedu, Erode Road, Perundurai – 638 052
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Product Catalogue

Version 2.0