



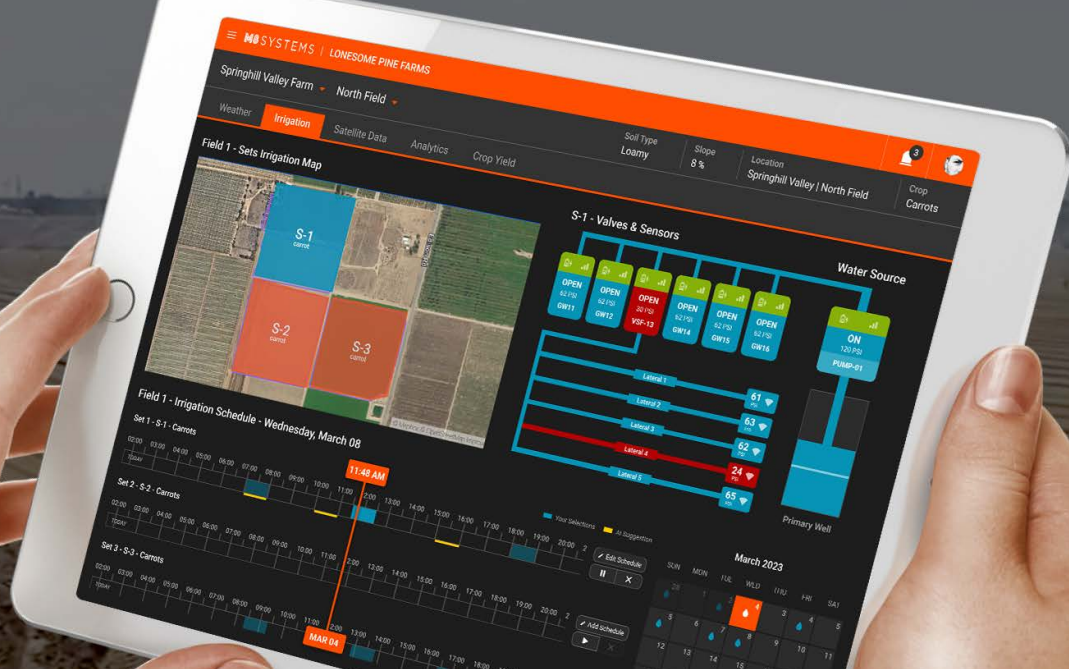
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Harnessing The Future of Precision Agriculture



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FarmLink ECO SYSTEM

Harnessing the Future of Precision Agriculture

The Superior IoT Irrigation Management System for Ag

M8 Systems' highly-productive AIoT Ag intelligence platform combines local sensors and controllers with a cloud based programming eco system to deliver a holistic dashboard that enables automation, and decreases water use while increasing farm productivity. The patented technology in our product eliminates the need to change the existing farm infrastructure!

M8 Systems Dashboard

- Intuitive Graphical User Interface
- Easy to set, edit, and understand irrigation calendar
 - Schedule irrigation by volume or time
- Access through your mobile device while in the field
- Ingests various data including irrigation, soil, fertigation, weather forecasts, water quality, and more
- Agronomy and more
- Provides analytics for all the data collected
- Receives real-time alerts through text messaging

Solar-Powered Automation

- Controls valves and pumps anytime with a mobile device
- Accurate volumetric irrigation available
- Fertigation
- Leak and clog detection
- Water quality monitoring
- Local temperature, wind, and humidity sensors
- Soil moisture data
- Automates existing valves and pumps





FarmLink UNIVERSAL IOT CONTROLLER

Harnessing the Future of Precision Agriculture

Pump + Valve Controller, and Data Acquisition System

M8 Systems is the AIoT Ag Farm Automation Solution that delivers true operational efficiencies. The FarmLink Universal IoT Controller enables remote management from mobile devices. The patented technology in our product eliminates the need to modify the existing irrigation infrastructure. **No Power or Wifi needed!**

Smart Irrigation

Able to Control:

- Valves (75W)
- Regular Pumps
- Booster Pumps
- Variable Speed Pumps
- I/O Expansion

Able to Monitor:

- Multi-level Soil Moisture
- Temperature
- Local Weather
- Tensiometers
- Leaf Wetness
- Well and Reservoir Levels
- Water quality
- Irrigation Pressure & Flow
- Root zone
- Indoor farming (Lights, Temp, Humidity, etc.)

Reduced Cost of Operations

- Labor Cost
- Irrigation Cost

24/7 Remote Accessibility

- Turn on or shut off pumps anytime, from anywhere
- Notification alerts through text messaging
- Agronomy data
- Soil moisture non-uniformity

Standard Features

- Solar Powered
- Various Inputs for Ag Sensors
- Local Over-ride (Field)
- Manual Control (Cloud)
- IP-68
- SDI-12 for future expansion
- Relay Output for Pump Control
- Cellular Connection to Cloud
- Drive 12V Valves up to 20W

Options

- Water Pressure Sensor
- Water Flow Sensor
- Water Quality Sensors
- LoRa WAN Communication
- Local Weather and Soil Moisture Sensors
- Drive 24V Valves up to 75W
- Dual Cellular Carrier



FarmLink Pump Control and Smart Battery with Solar Panel. Compatible with a variety of irrigation pumps, valves, and Ag sensors including:





FarmLink DRIVES MOST BUTTERFLY VALVES

Harnessing the Future of Precision Agriculture

Ag Intelligence Platform Precise Water Management

M8 Systems' FarmLink delivers precise water management and enables total automation on your existing Butterfly Valves without the need of additional power or Wifi. The patented technology in our product eliminates the need to change the existing irrigation infrastructure! Available for various pipe sizes up to 12".

Smart Irrigation

- Easy to set, edit, and understand irrigation calendar
- Systematic accurate water volume delivery
- With its smart battery, this valve is never asleep and is accessible remotely 24/7

Reduced Cost of Operations

- 24/7 Automated leak and clog detection with notification
 - Requires flow and pressure sensor
- Immediate alerts worldwide and automatic shutoff
- Optional flow and pressure measurement

24/7 Remote Accessibility

- Open and close valves anytime, from anywhere
- Set irrigation schedules from mobile phone
- Real time alerts through text messaging
- Analytics and insights

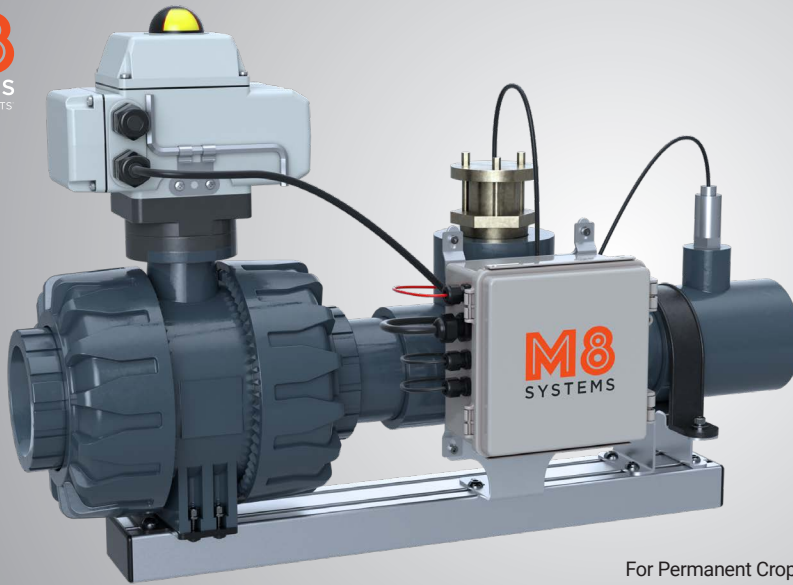
Standard Features

- Solar Powered
- Various Inputs for Ag Sensors
- Local Over-ride (Field)
- Manual Control (Cloud)
- IP-68
- SDI-12 for future expansion
- Relay Output for Pump Control
- Cellular Connection to Cloud
- Drive 24V Valves up to 75W

Options

- Water Flow Sensor
- Pressure Sensor
- Water Quality Sensors
- LoRa WAN Communication
- Dual Cellular Carrier
- Drive 120VAC Valves up to 300W

PRODUCTS	
FL 6" BTFY IoT Valve	Butterfly Valve, Controller, Solar Panel
FL 6" BTFY IoT Valve PF	Butterfly Valve, Controller, Solar Panel, Pressure Sensor, Flow Sensors
FL 8" BTFY IoT Valve	Butterfly Valve, Controller, Solar Panel
FL 8" BTFY IoT Valve PF	Butterfly Valve, Controller, Solar Panel, Pressure Sensor, Flow Sensors
FL 10" BTFY IoT Valve	Butterfly Valve, Controller, Solar Panel, with optional AC Power Module
FL 10" BTFY IoT Valve PF	Butterfly Valve, Controller, Solar Panel, Pressure Sensor, Flow Sensors, with optional AC Power Module
FL 12" BTFY IoT Valve	Butterfly Valve, Controller, Solar Panel, with optional AC Power Module
FL 12" BTFY IoT Valve PF	Butterfly Valve, Controller, Solar Panel, Pressure Sensor, Flow Sensors, with optional AC Power Module



For Permanent Crops



Low Profile for Row Crops

FarmLink DRIVES MOST BALL VALVES

Harnessing the Future of Precision Agriculture

Ag Intelligence Platform Precise Water Management

M8 Systems' FarmLink delivers precise water management and enables total automation on your existing Ball Valves without the need of additional power or Wifi. The patented technology in our product eliminates the need to change the existing irrigation infrastructure! Available for various pipe sizes up to 4".

Smart Irrigation

- Easy to set, edit, and understand irrigation calendar
- Systematic accurate water volume delivery
- With its solar charging battery this valve never sleeps

Reduced Cost of Operations

- 24/7 Automated leak and clog detection with notification
 - Requires flow and pressure sensor
- Immediate alerts worldwide and automatic shutoff

24/7 Remote Accessibility

- Open and close valves anytime, from anywhere
- Set irrigation schedules from mobile phone
- Real time alerts through text messaging
- Analytics and insights

Standard Features

- SDI-12 Expansion Port
- Manual Valve Bypass
- Supports 12VDC Ball Valves up to 30 Watts
- Auto Irrigation Schedule
- Solar Charging
- Cellular Communication
- IP-68
- Relay for Pumps

Options

- Water Flow Sensor
- Pressure Sensor
- 24VDC Ball Valves up to 75 Watts
- Water Quality Sensors
- LoRa WAN Communication
- Dual Cellular Carrier

PRODUCTS	
FL 2" B IoT Valve	Ball Valve, Controller & Battery, Solar Panel
FL 2" B IoT Valve PF	Ball Valve, Controller & Battery, Solar Panel, Pressure Sensor, Flow Sensor
FL 3" B IoT Valve	Ball Valve, Controller & Battery, Solar Panel
FL 3" B IoT Valve PF	Ball Valve, Controller & Battery, Solar Panel, Pressure Sensor, Flow Sensor
FL 4" B IoT Valve	Ball Valve, Controller & Battery, Solar Panel
FL 4" B IoT Valve PF	Ball Valve, Controller & Battery, Solar Panel, Pressure Sensor, Flow Sensor



FarmLink DRIVES MOST HYDRAULIC VALVES

Harnessing the Future of Precision Agriculture

Ag Intelligence Platform Precise Water Management

M8 Systems' FarmLink delivers precise water management and enables total automation on your existing Hydraulic Valves without the need of additional power or Wifi. The patented technology in our product eliminates the need to change the existing irrigation infrastructure! Available for various pipe sizes up to 4".

Smart Irrigation

- Easy to set, edit, and understand irrigation calendar
- Systematic accurate water volume delivery
- With its smart battery, this valve is never asleep and is accessible remotely 24/7

Reduced Cost of Operations

- 24/7 Automated leak and clog detection with notification
 - Requires flow and pressure sensor
- Immediate alerts worldwide and automatic shutoff
- Optional flow and pressure measurement

24/7 Remote Accessibility

- Open and close valves anytime, from anywhere
- Set irrigation schedules from mobile phone
- Real time alerts through text messaging
- Analytics and insights

Standard Features

- SDI-12 Expansion Port
- Manual Valve Bypass
- Supports 12VDC Valves up to 30 Watts
- Auto Irrigation Schedule
- Supports Dual coil and Single coil latching Solenoid Valves
- Solar Charging
- Cellular Communication

Options

- Water Flow Sensor
- Pressure Sensor
- Water Quality Sensors
- LoRa WAN Communication
- Dual Cellular Carrier

PRODUCTS	
FL 1.5" H IoT Valve	Hydraulic Valve, Controller & Battery, Solar Panel
FL 1.5" H IoT Valve PF	Hydraulic Valve, Controller & Battery, Solar Panel, Pressure Sensor, Flow Sensors
FL 2" H IoT Valve	Hydraulic Valve, Controller & Battery, Solar Panel
FL 2" H IoT Valve PF	Hydraulic Valve, Controller & Battery, Solar Panel, Pressure Sensor, Flow Sensors
FL 3" H IoT Valve	Hydraulic Valve, Controller & Battery, Solar Panel
FL 3" H IoT Valve PF	Hydraulic Valve, Controller & Battery, Solar Panel, Pressure Sensor, Flow Sensors
FL 4" H IoT Valve	Hydraulic Valve, Controller & Battery, Solar Panel
FL 4" H IoT Valve PF	Hydraulic Valve, Controller & Battery, Solar Panel, Pressure Sensor, Flow Sensors

DISCOVER | DEMO | DELIVER



Cypress AgriTech - M8 Systems
sales@cypressagritech.com

Location:
2531 M Street
Bakersfield, CA 93301

Satellite Office, Orange County:
9 St. Francis Court
Dana Point, CA 92629

Linkedin, IG, FB @CypressAgriTech

cypressagritech.com