



M8 Systems Brochure 2024

M8 SYSTEMS

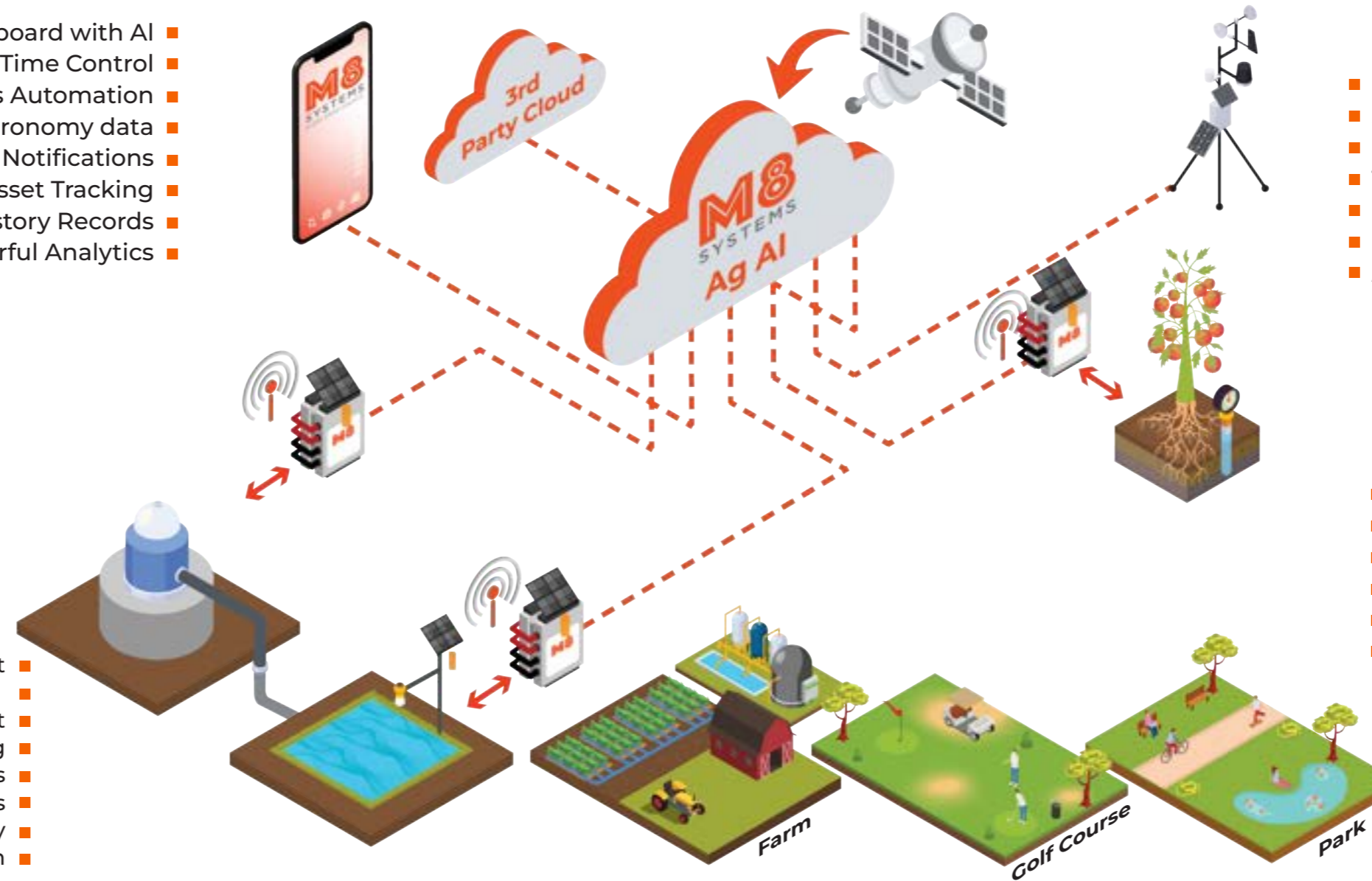
PRECISION  
AGRICULTURE  
AND  
IRRIGATION  
COMPANY



# HARNESSING THE FUTURE OF PRECISION AGRICULTURE

- User-Friendly Dashboard with AI
- Real-Time Control
- Effortless Automation
- Comprehensive Agronomy data
- 24/7 Notifications
- GPS-Based Asset Tracking
- Detailed History Records
- Powerful Analytics

- Streamlined Wells, Reservoirs, & Tank Management
- Around-the-Clock Level Monitoring
- Automatic Level Adjustment
- Well Depth Tracking
- Effortless control of any Valves
- Enhanced Control & Visibility for Pumps and VFDs
- Ensure Pump Health & Efficiency
- 24/7 Notification



- Real-Time Data Integration
- Satellite Images
- On-Site Weather Station
- Third-Party Cloud Integration
- Up-to-Date Weather Forecasts
- Continuous data ingestion
- AI Model constantly updated with new data

- Comprehensive Agronomy Sensors
- Tensiometer
- Soil Moisture Sensors
- Soil Temperature Sensors
- Soil Electrical Conductivity Sensors
- Real-Time Data for Precision Ag

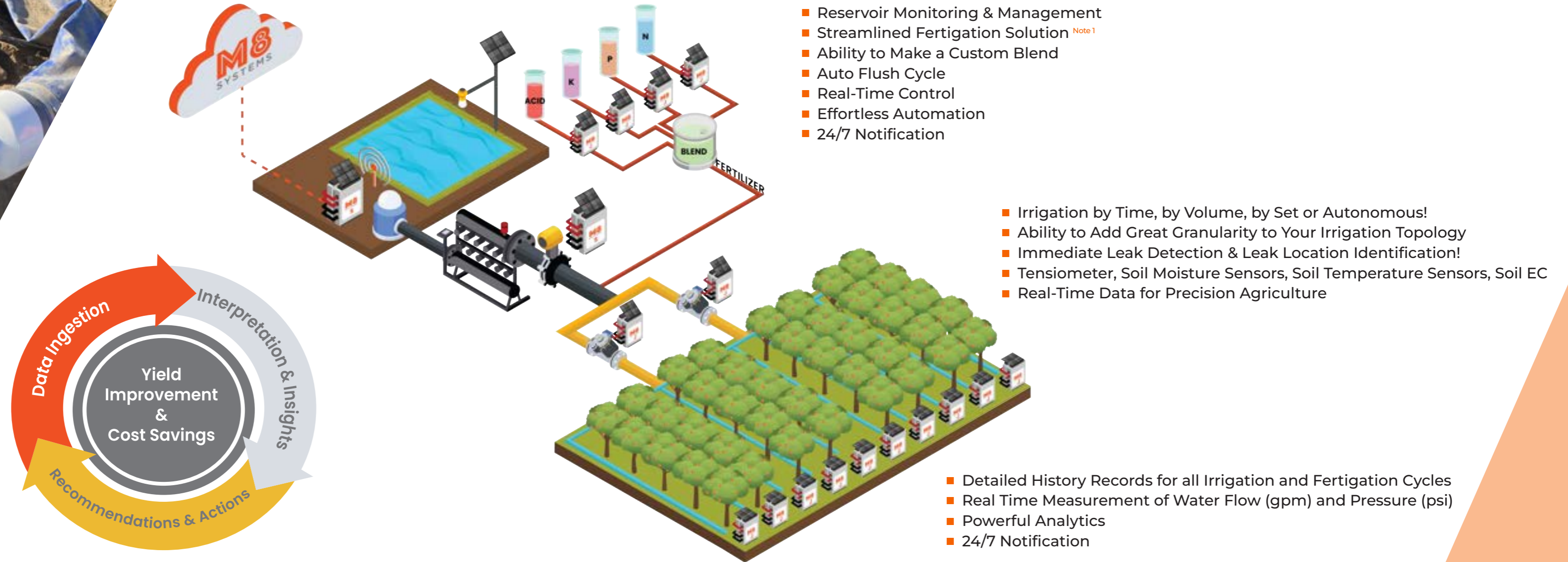




**FARMS**

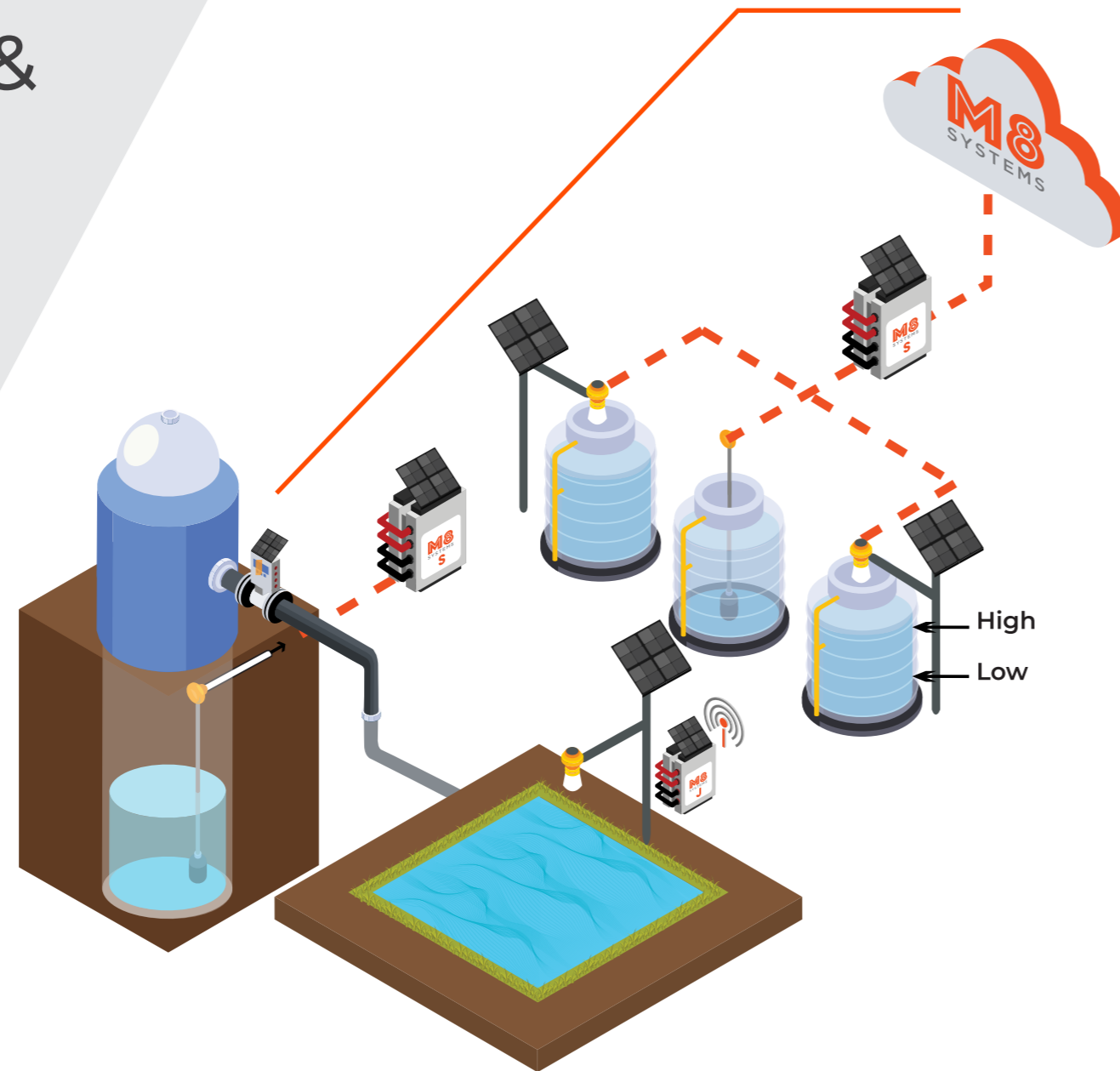


Note 1: Feature Available in 2025



# WATER LEVELS & PUMP PERFORMANCE

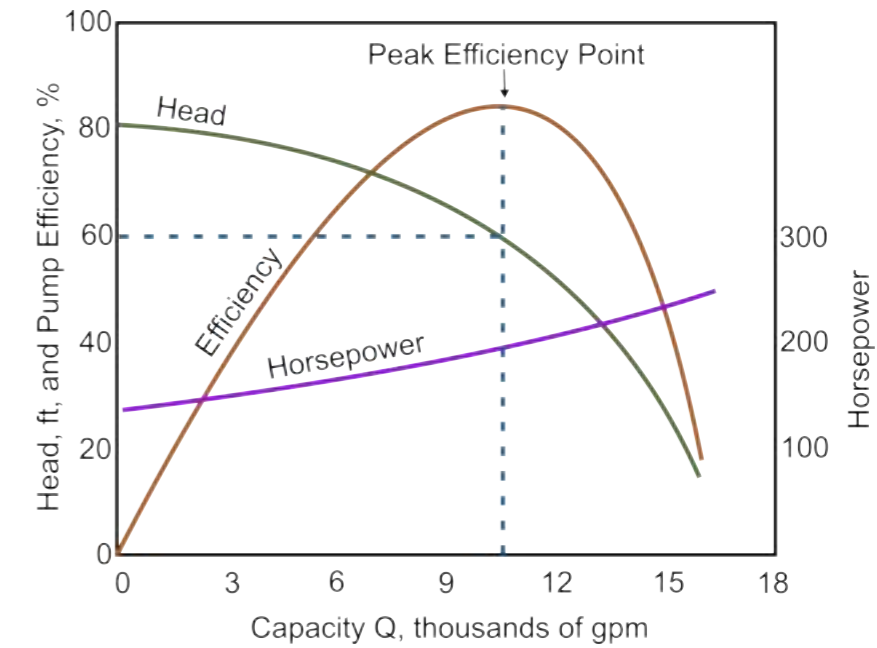
SGMA Compliance made easy with HydroLink™ Note 1



- Around-the-Clock Level Monitoring for
  - Wells, Reservoirs, Tanks
  - Automatic Level Tracking & Adjustment
- Well Depth Tracking
- Historical Data and Analytics
- 24/7 Notification

- Continuous Monitoring of:
  - Pumps & VFD Control
    - Pumps' Health
    - Pumps' hydraulic & Electrical Efficiency
    - Dead Heading & Auto Safety Feature
    - Power and Voltage Consumption
    - Pressure and Flow
- 24/7 Notification

Note 1: Available in 2025



# GOLF COURSES PARKS and more

- Effortless Automation for Golf Courses & Parks
- Very Cost Effective!
- Easily Upgrade an Existing Infrastructure
  - Automate an Existing Irrigation Setup without Headaches!
- Real Time Control
- User Friendly App
- Easy Integration of Various Soil Sensors
  - Moisture
  - Tensiometer
  - Temp
  - & more...
- Autonomous Irrigation Option
- Detailed History Records
- Powerful Analytics
- Location Tracking of Assets
- 24/7 Notifications



# M8 SYSTEMS CONTROLLERS

## FLS



- 120W – 24V / 12V Valve Driver For
  - Motorized Ball Valves & Butterfly Valves
  - Gate & Latching Solenoid Hydraulic Valves
- Six Analog Inputs for 4-20mA or 0-10V signals
  - Pressure, Agronomy Sensors, etc.
- Dual Pulse Flow Meter Inputs
- SDI-12 Bus (Master)
- RS485 Bus (Master)
  - Variable Frequency Pump Drive
  - Pump Management and Pump Efficiency Monitoring
- Dual Relay outputs SPST, up to 240VAC @ 3A

- Solar & Battery Powered
- Direct Cellular Connection - No Gateway Needed!
- IP66 / NEMA 4 Water and Dust Resistant
- Offline Autonomous Operation (if signal is lost)
- Instant Transmission of Data and Commands
- Advanced GPS & Location Tracking of Assets
- Over The Air Updates!
- Ideal for Leak Detection
- Operational for up to 5 Months Without Sun \*
- 24/7 Notifications

\* Dependent on Battery Pack Option Selected

## FLJ



- Drives Latching Solenoid Hydraulic Valves
- Drives Latching Relays (Pumps' On/Off)
- Dual Analog Inputs, 4-20mA or 0 - 10V
  - Pressure, Agronomy Sensors, etc.
- Pulse Flow Meter Input
- SDI-12 Bus (Master)
- 12V Power for External Sensors & Devices

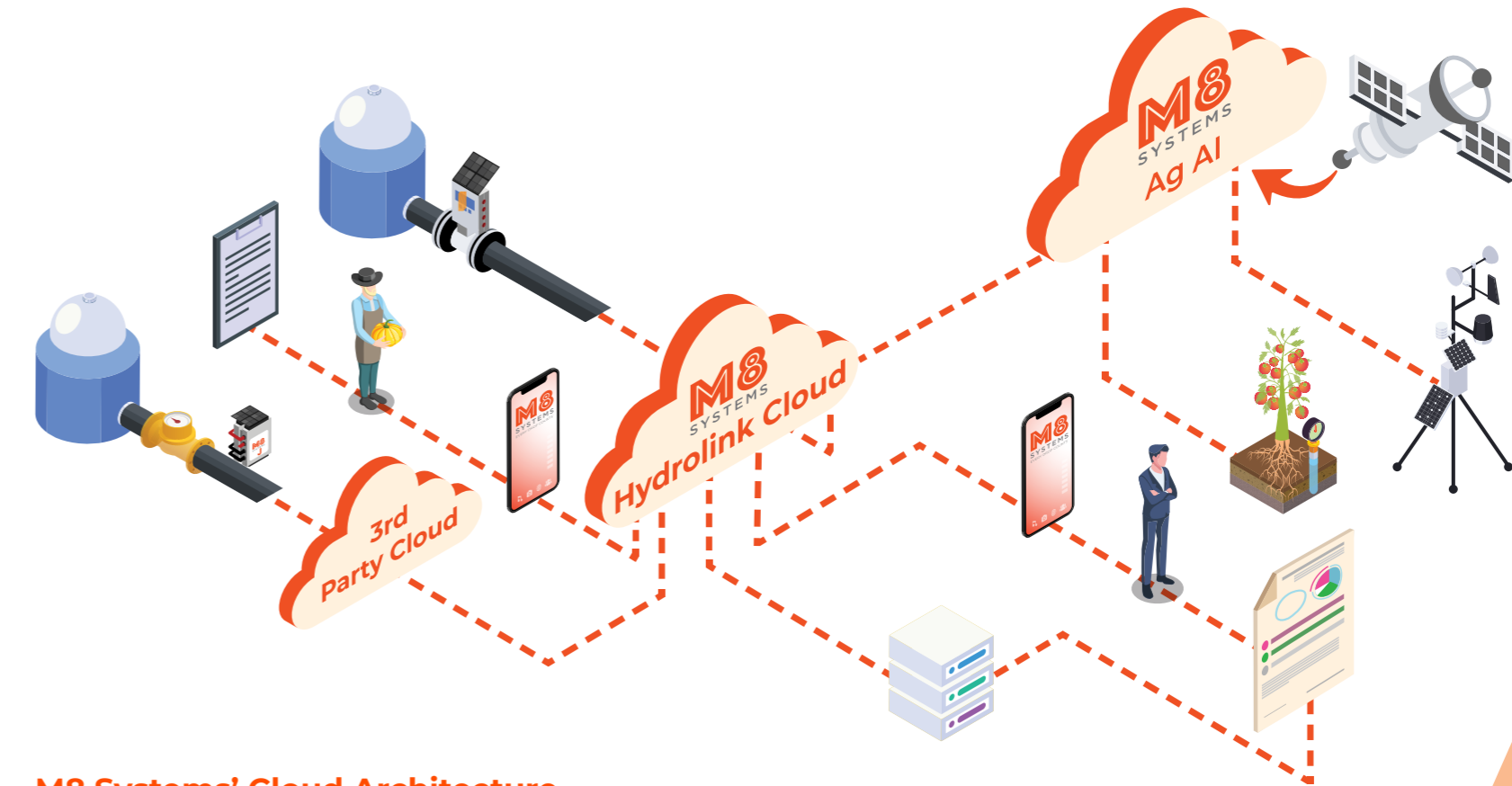
# M8 CLOUD, AI, APP and 3<sup>rd</sup> PARTY SERVICES

### Mobile & Web App

- Single Uniform Dashboard
- 24/7 Notifications
- Total Data Security
- History & Analytics
- Patterns & Anomalies
- AI Recommendations
- Level Monitoring
- Pump Health Monitoring

### Ingest data from

- 3rd Party Cloud
- Sat Images
- Weather Station & Forecast
- Soil Sensors
- Crop Type
- Other Farm Data
- Resource Utilization

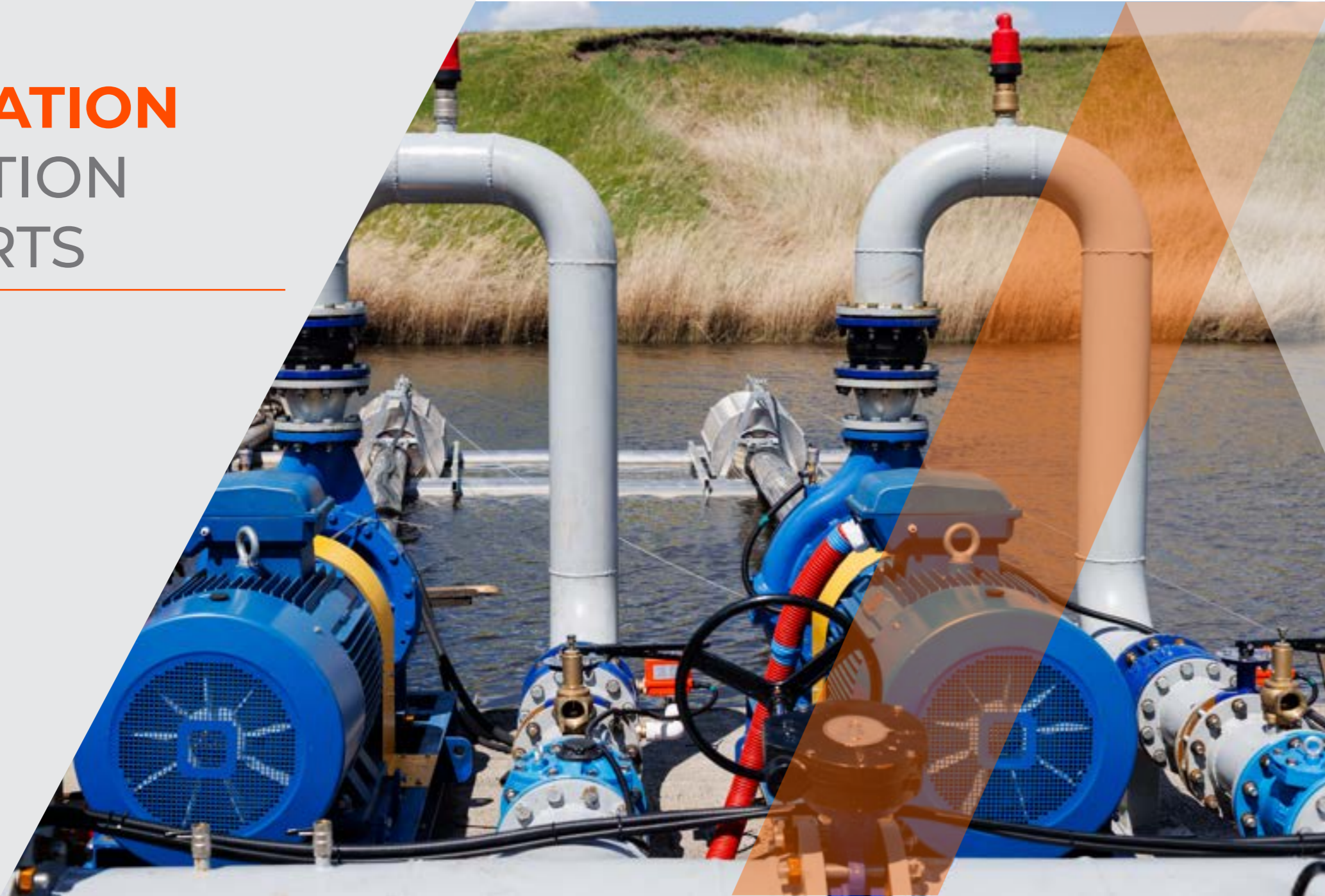


### M8 Systems' Cloud Architecture

- Easily Expandable: Accommodates new data seamlessly
- AI-Powered Data Tracking: Ingests and analyzes multiple data layers.
- Cloud-Based Farming Rules: Easily updateable for flexibility.
- Integrates with Existing Devices: Ingests irrigation data from current systems.
- Simplified SGMA Compliance: Achieve compliance effortlessly with HydroLink.™



# IRRIGATION SOLUTION EXPERTS



# M8 SYSTEMS

LOGO + BRANDING



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