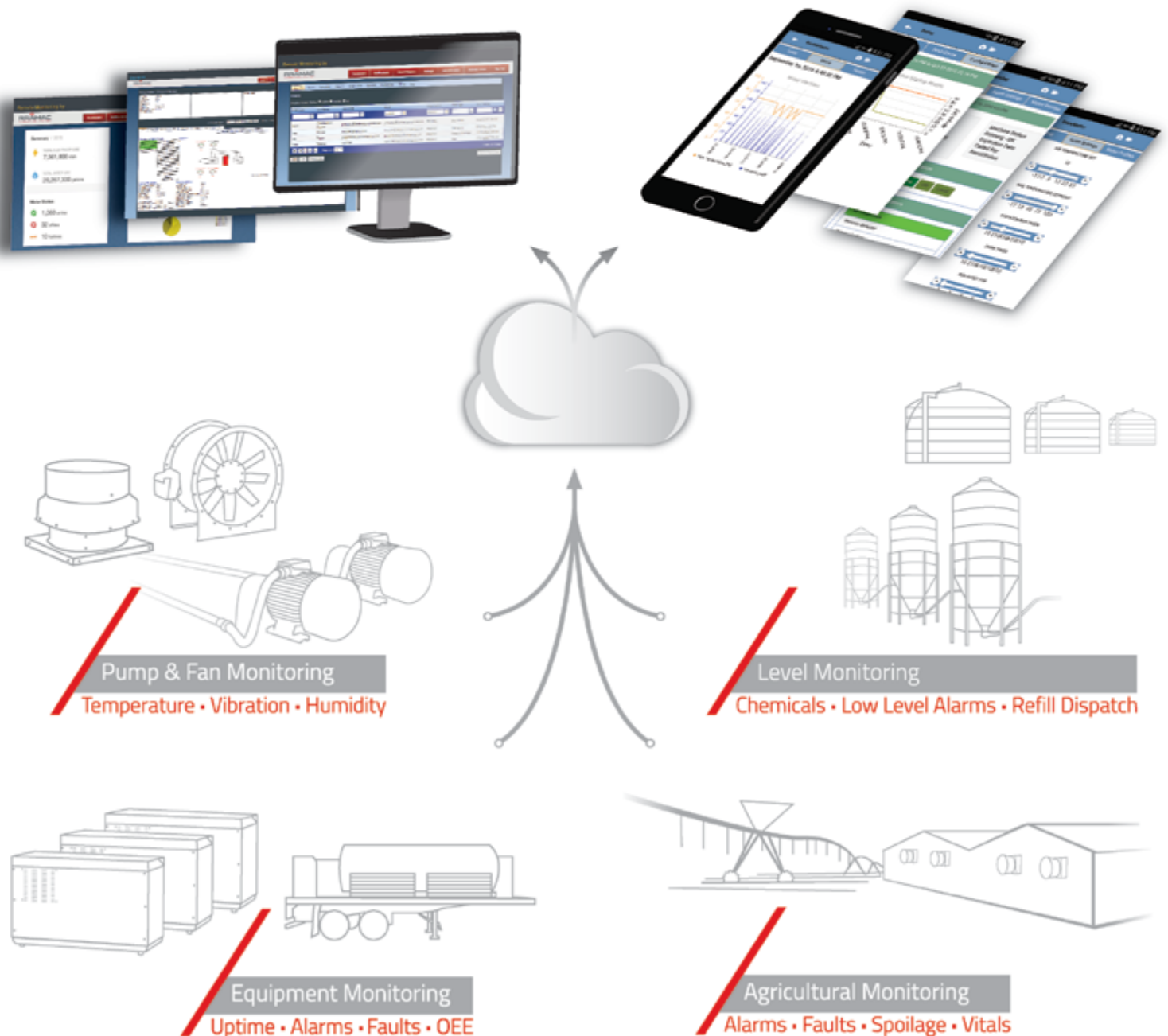# Power/mation®

Smart Monitoring & Analytics with the IIoT

Imagine an industrial network that maintains a continuous awareness of its processes, machines and environment. With Power/mation's monitoring solutions, you can now tap into that network at will.

Smart sensors collect actionable data and store it in the cloud. Detailed dashboards produce meaningful analysis. The result is maximum operational efficiency and minimized unplanned downtime through the anticipation of machine failures and reduction of service costs.

This is the power of the Industrial Internet of Things.

Pump & Fan Monitoring
Temperature · Vibration · Humidity

Level Monitoring
Chemicals · Low Level Alarms · Refill Dispatch

Equipment Monitoring
Uptime · Alarms · Faults · OEE

Agricultural Monitoring
Alarms · Faults · Spoilage · Vitals

Smart Monitoring Components

EdgeScout

EdgeScout Remote Monitoring is a turnkey remote monitoring solution hosted by RRAMAC.

- **Cloud hosted** solution allows secure access to remote systems through web browsers, mobile apps, email, text and push notifications.
- **Customized** web interfaces, reporting and mobile apps.
- **Smart applications** for predictive maintenance, environmental monitoring and equipment health.
- **Securely connected** end-to-end solution, uniting sensors and the cloud.

DXM100 Industrial Wireless Controller

Connectivity
- Sure Cross® Wireless radio
  - 900 MHz & 2.4 GHz
- Cellular modem
- Ethernet
- Fieldbus
  - RS485 Master & Slave
  - CAN

User Interface
- User programmable LCD
  - Bind Sure Cross® Radios
  - Site survey
  - View sensor information
  - System status
- User defined LED indicators

Data Logging
- Data/Event logging with email and text push
- Notifications, alerts, alarms
- IT system interface – HTTP API

Automation Protocols
- Modbus RTU
- Modbus TCP
- Ethernet/IP

I/O
- Universal inputs
- Discrete outputs
- Courtesy power
- Switch power
- Battery backup
- Solar controller

Logic Controller
- Action rules
  - Supports simple logic, arithmetic, and thresholding
  - Low complexity solutions
- Text language
  - ScriptBasic
  - Medium complexity solutions
- Scheduler
  - Time/calendar-based events
  - Astronomical clock

Compatible Wireless Accessories

Vibration and Temperature Sensors

Temperature and Humidity Sensors

Pushbutton Interface

Vehicle Detection Sensors

I/O Nodes

Q45 Wireless Sensor Radio

Signal Lights

Level Sensors

Power/mation®