



Power/mation[®]

Process Automation Solutions

- Control Systems
- Data Measurement
- Hazardous Locations
- Data Management & Visualization

www.powermation.com
800.843.9859

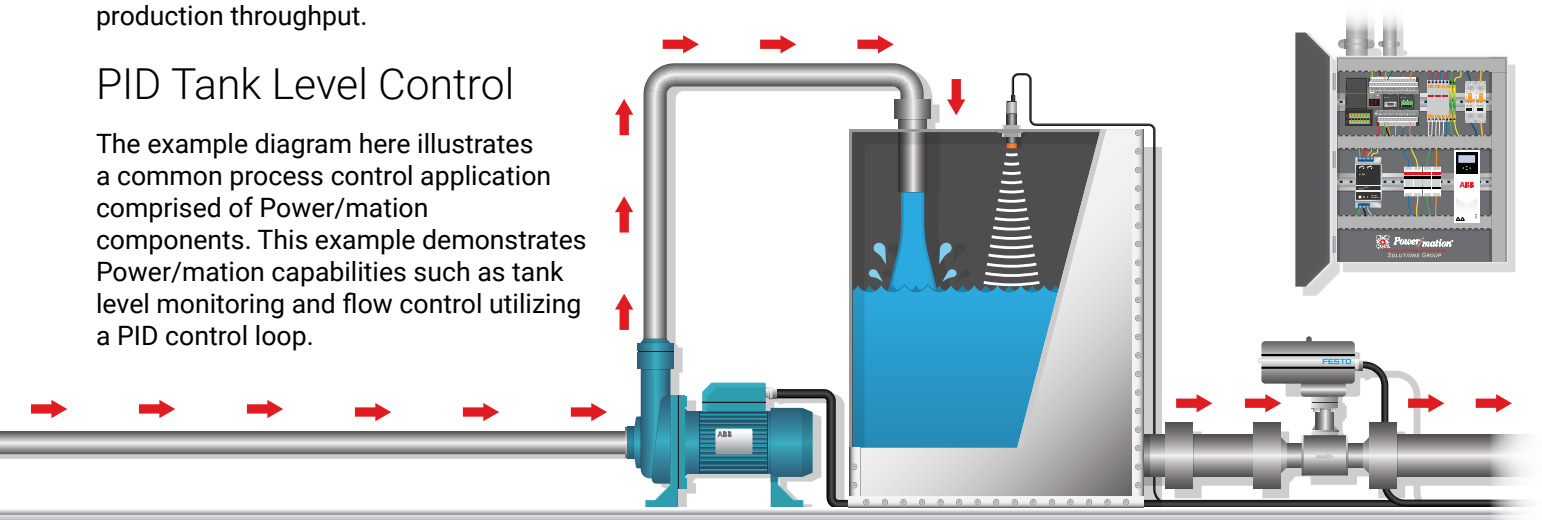


The Power/mation Advantage

If you can measure it, you can control it. Power/mation's history of distributing industrial automation equipment and sensors has given us the experience needed for full control system deployment. Partnering with world-class manufacturers of control system hardware and measurement sensors lets us harness data to improve quality, reduce unplanned downtime and increase your production throughput.

PID Tank Level Control

The example diagram here illustrates a common process control application comprised of Power/mation components. This example demonstrates Power/mation capabilities such as tank level monitoring and flow control utilizing a PID control loop.



Control Systems

The tools to provide total system control of a plant or micro process. Commonly referred to as PID Loop Control, these tools control process variables such as temperature, pressure and flow. The system can continuously balance quality, quantity and consistency of the product output.

- PID loop valving
- Flow control
- Temperature control

System Reliability

Designing a robust control architecture where continuous production uptime with zero unplanned downtime is the primary goal. Implementing specifically developed hardware and software that is fault-tolerant can help achieve this goal. Common technologies used include Distributed Control Systems (DCS), network redundancy and backup power generation.

- Control redundancy
- Power reliability
- Software redundancy

Data Measurement

Devices for process variable measurement such as temperature, pressure, flow and more. Sophisticated sensors interpret these values and convert them into voltage, current or digital signals. These transducer (V) and transmitter (A) signals are then sent to the control system allowing for real time process status and control.

- Flow
- Pressure
- Temperature
- Level
- Distance
- Diameter

Hazardous Location

Many process environments require electrical equipment designed to function safely within environments that are potentially explosive or ignitable. The equipment installed is regulated by the governing bodies with ATEX or FM approved certifications. These technologies are typically referred to as explosion proof, nonincendive and intrinsically safe.

- Process safety
- Classified area certification
- Explosion proof
- Intrinsic safety

Data Management & Visualization

Power/mation provides the vital digital systems of recording and displaying process and production values. Real time dashboards for instant system awareness as well as historical trending for regulatory requirements and/or report generation are necessary for an efficient process automation application.

- SCADA
- Data integrity
- Trending and dashboarding
- Reporting

Process Automation & Your Application

To better serve our customers and fulfill their application needs, Power/mation focuses on implementing best-in-class solutions for sub-processes within the following industries and more.



Upstream Oil & Gas

- Separation control and monitoring
- Climate-controlled power equipment shelters



Food & Beverage

- Batching and blending of raw goods
- Pasteurization validation and logging



Water & Wastewater

- Reclamation monitoring and compliance
- Feed-forward chemical dosing



Agriculture

- Grain drying and conveyance
- Silo and ground pile monitoring



Aggregate

- Batching and conveyance
- Crushing and blending



Pulp & Paper

- Web tension control
- Batching systems

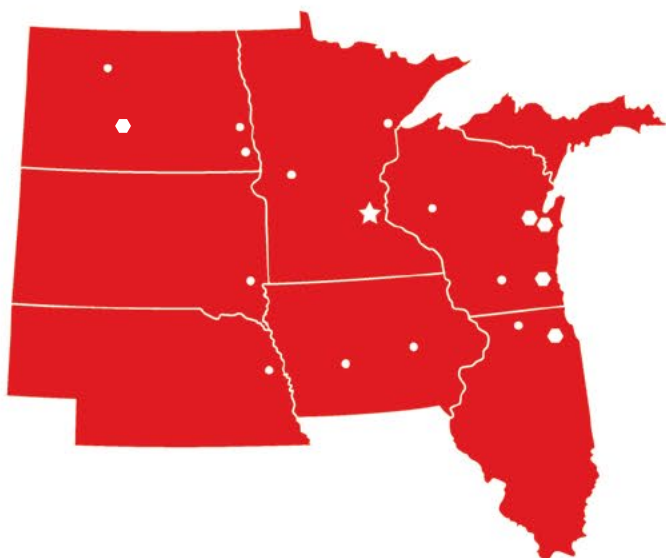
Process Automation Partners

Your process solution demands the highest grade components from the most trusted industry providers. Power/mation is proud to partner with the best in the industry with an ever-expanding product portfolio.



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