



***Power/mation***<sup>®</sup>

## Process Automation Solutions

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

[www.powermation.com](http://www.powermation.com)  
800.843.9859

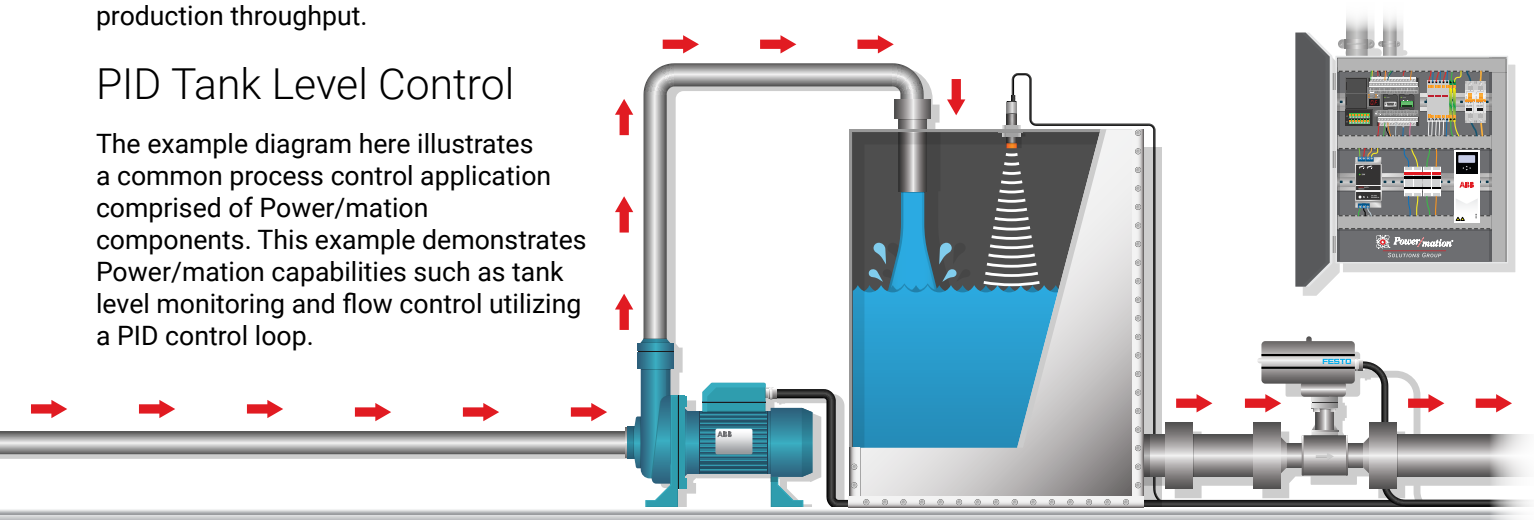


## The Power/mation Advantage

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

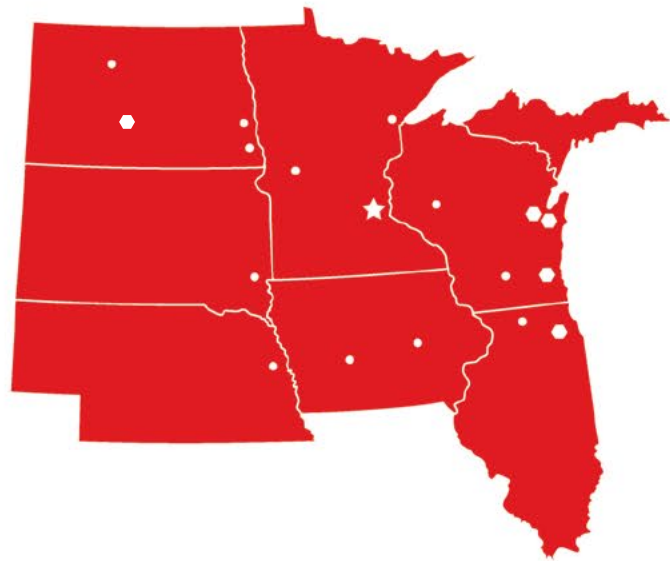
## Process Automation Partners

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.



## Corporate Headquarters

St. Paul, MN  
1310 Energy Lane  
St. Paul, MN 55108  
(800) 843-9859  
(651) 605-3300  
(651) 605-4400 Fax



## Office Locations

Pewaukee, WI  
N28 W23566 Creative Way  
Pewaukee, WI 53072  
(800) 242-2060  
(262) 408-6100  
(262) 523-0611 Fax

Appleton, WI  
5485 W Grande Market Dr  
Suite A  
Appleton, WI 54913  
(800) 242-2060  
(920) 969-9917

Green Bay, WI  
2221 Starr Ct  
Green Bay, WI 54303  
(800) 924-6260  
(920) 497-6354  
(920) 496-4363 Fax

Wood Dale, IL  
581 N Edgewood Ave  
Wood Dale, IL 60191  
(800) 847-9896  
(630) 475-4240  
(630) 860-9177 Fax

Bismarck, ND  
1307 Grumman Lane  
Bismarck, ND 58504  
(833) 200-5086  
(651) 605-4400 Fax

## Sales Territories

### Minnesota

Twin Cities Metro  
(800) 843-9859 Customer Service  
(651) 605-3300 Sales

Alexandria  
(800) 843-9859 Customer Service  
(320) 766-5878 Sales

Duluth  
(800) 843-9859 Customer Service  
(218) 628-6063 Sales  
(218) 628-6063 Fax

Mankato  
(800) 843-9859 Customer Service  
(612) 709-5208 Sales

### Wisconsin

Madison  
(800) 242-2060 Customer Service  
(262) 523-0611 Fax

Eau Claire  
(800) 843-9859 Customer Service  
(715) 723-0730 Sales

### North Dakota

Fargo  
(800) 843-9859 Customer Service  
(651) 605-4400 Fax

Minot  
(800) 843-9859 Customer Service  
(651) 605-4400 Fax

Wahpeton  
(800) 843-9859 Customer Service  
(651) 605-4400 Fax

### South Dakota

Sioux Falls  
(800) 843-9859 Customer Service  
(605) 335-3046 Sales

### Illinois

Rockford  
(800) 847-9896 Customer Service  
(630) 860-9177 Fax

### Iowa

Des Moines  
(800) 322-4589 Customer Service  
(319) 395-0929 Fax

Cedar Rapids  
(800) 322-4589 Customer Service  
(319) 395-0929 Fax

### Nebraska

Omaha  
(800) 428-9036 Customer Service  
(402) 445-8728 Fax



**Power/mation**<sup>®</sup>

800.843.9859  
www.powermation.com

