

WATER AND WASTEWATER CONTROL SOLUTIONS



PRIMEX[®]

WATER SYSTEM INTEGRATOR AND CONTROLS PROVIDER

WWW.PRIMEXCONTROLS.COM



YOU'RE FEELING THE PRESSURE.

From water pressure to financial pressure, communities today face a growing number of challenges in providing water and wastewater services, including capital and operating budgets, infrastructure repair, replacement and expansion, staff retention and retirement, and regulatory compliance.

MORE CONTROL. LESS STRESS.

No matter the source of the pressure, PRIMEX® offers a complete range of automation, control and remote access solutions that provide many benefits as communities and operators seek to meet these challenges.

- Reduce Operating Expenses
- Improve System Performance and Integrity
- Extend Equipment Life
- Obtain More Information for Better Decision Making





WE PROVIDE PEACE OF MIND

Choosing the right partner for your automation and control needs will assure that you will get the maximum operational benefits and the most from your investment. Not all controls vendors and system integrators are the same.

When partnering with PRIMEX®, our clients experience the peace of mind that comes with knowing they have chosen to work with the best provider of control solutions in the water and wastewater industry. Our solutions deliver:

Confidence

Our professionally designed solutions utilize the best available products and technologies and are completed on-schedule.

Ease of Use

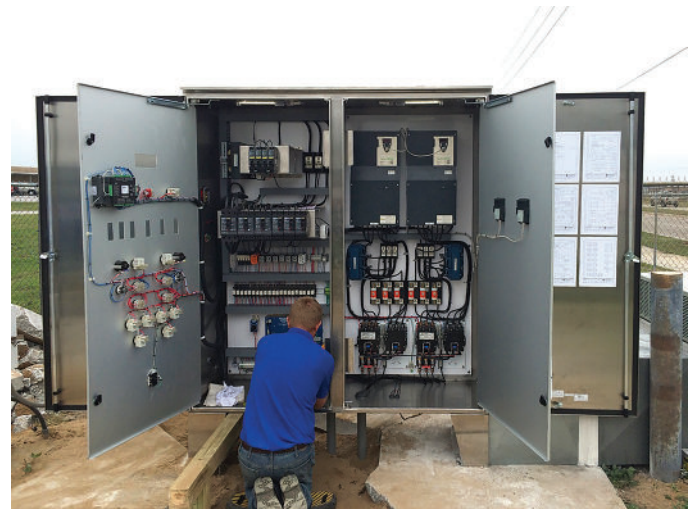
We provide solutions based on our understanding of clients' needs, which results in intuitive system operation and minimal maintenance.

Long-Term Support

Our services range from start-up through field service and parts, formal maintenance programs and legacy system upgrades. All from a company that has been in the industry for decades.

Return on Investment

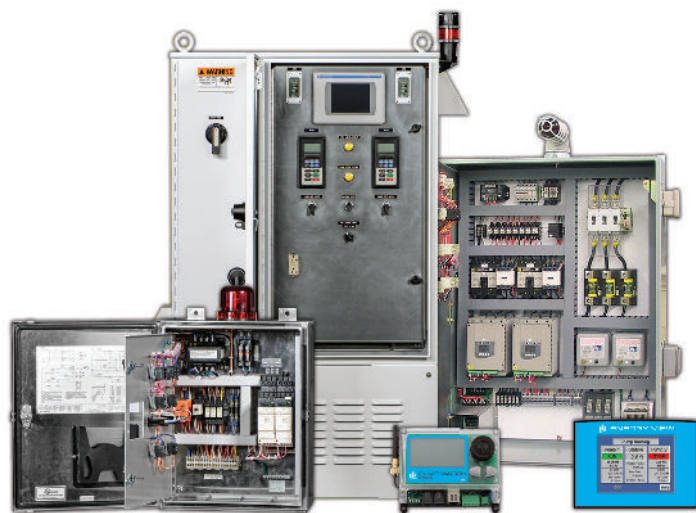
We deliver solutions that provide the maximum operational benefits while lowering operating expenses and extending equipment life.





Experience matters. With nearly a century of experience and tens of thousands of simple and complex monitoring, control and SCADA systems installed, we are a nationally recognized leader in water and wastewater automation.

Our unique position, size and extensive experience allow us to support our customers from project concept to completion. Our field service organization provides ongoing support with on demand and scheduled service/maintenance agreements to maximize your automation investment.



APPLICATIONS

- Collection Systems
 - Sewage and Storm Lift Stations
 - Grinder Stations; CSO
- Wastewater Treatment
- Dewatering
- Water Distribution Systems
 - Pressure Booster Systems
 - Water Wells
 - Tanking Monitoring
 - Hydro-pneumatic Systems
 - Metering Stations
- Water Treatment
- Flood Control
- Irrigation Systems
- Condensate Return

AUTOMATION CAPABILITIES

- Motor Control Centers
- Variable Frequency Drives
- Reduced Voltage Starters
- Service Entrance Rating
- Fail Safe Alarms
- PLC and SCADA Systems
- Dedicated Function Controllers
- Operator Interface Terminals
- Remote Monitoring/Telemetry
- Alarm Notification Systems
- Multiple Pump Control
- User Specified Components
- Instrumentation

THIRD PARTY APPROVALS

- 508A Listing for Industrial Control Panels
- UL 698A Listing for Enclosed Industrial Control Panels with Circuit Extensions to a Hazardous Location
- UL NNNY Listing Class I, Division I and 2 Locations
- cUL Certification





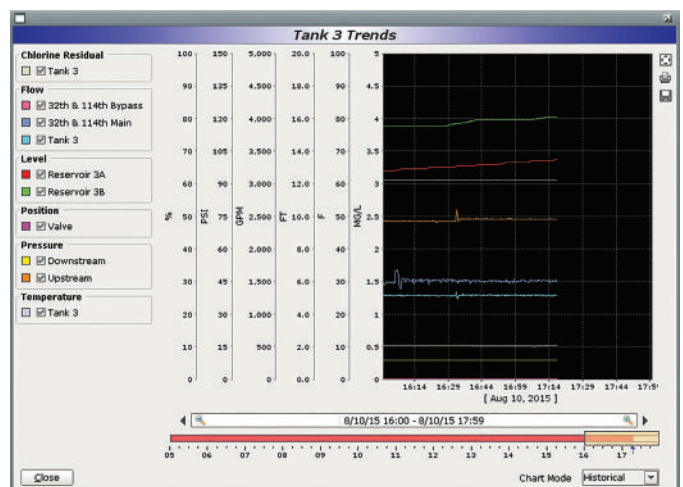
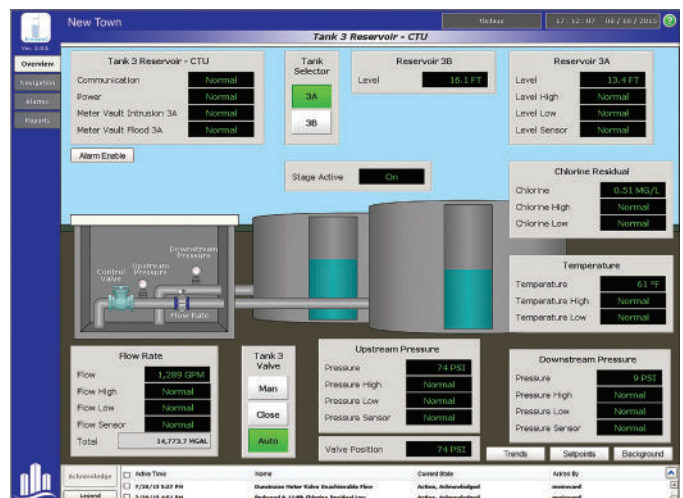
MORE EXPERIENCE. MORE SOLUTIONS.

Our expertise covers every major automation and control technology from every major vendor.

- Programmable Logic Controllers (PLC)
- Motor Control Centers (MCCs)
- Variable Frequency Drives (VFDs)
- Supervisory Control and Data Acquisition (SCADA) and Human Machine Interfaces (HMI)

We also go beyond controls, to provide complete system integration with all related processes, equipment and data, including:

- Instrumentation
- Telemetry, networking and communications
- Database and software integration





ENGINEERING ASSISTANCE

PRIMEX® provides customers with nearly a century of expertise and combined applied engineering and electrical controls experience using the latest technology to deliver energy efficient, cost effective products.

From concept to completion, our engineers provide:

- Suggested specifications
- Budgetary estimates
- Electrical, instrumentation and control system design
- Equipment evaluation



CUSTOM CONTROLS AND SYSTEM INTEGRATION

Total Control - from Concept to Completion

From large complex systems to small, PRIMEX® provides integration for entire processes and plants, and linked distributed systems across hundreds of remote sites. No project is too big or too complex for the PRIMEX team of professional engineers. Our talented and experienced staff provides a number of professional services.

- Accurate and timely quotations
- System design and drafting
- Controls engineering
- Detailed submittals (AutoCAD schematic wiring diagrams, enclosure layout drawings, bill of material, and more)
- Programming of PLCs, HMI, SCADA, etc.
- Panel and system fabrication (UL-listed panel shop)
- Project management
- Telemetry and Communication design
- Network and Data integration
- System testing and commissioning
- Field and maintenance services
- Exceptional technical support and training
- Free on-line engineering specifications
- Warranty as quoted

icontrol



CLOUD-BASED SCADA

Affordable Control. Anytime. Anywhere.

icontrol® is the ideal solution for operators seeking all the benefits of a Supervisory Control and Data Acquisition (SCADA) system without the expense and hassle of owning and maintaining these systems.

Our cloud-based solution provides full SCADA functionality with secure remote access to your existing control infrastructure through our managed data center. There is no SCADA-related hardware, software or licensing to buy, manage or maintain.

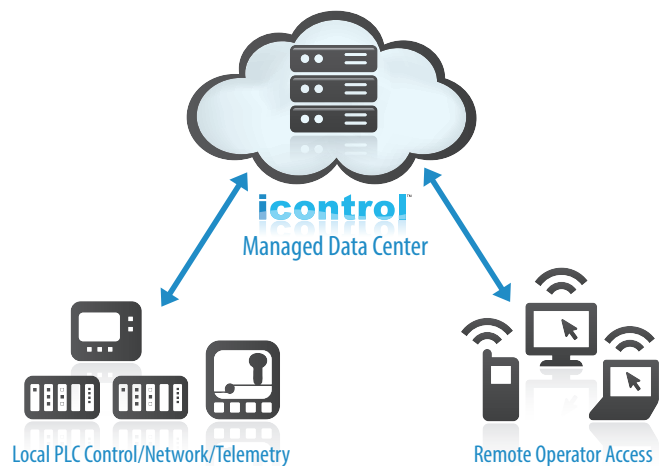
Manage Your Operations.

icontrol is a full-featured, open-architecture SCADA platform - giving you complete control of your operations.

- Secure remote access from your office, home, or mobile device (PC, tablet, smart phone)
- Dynamic process graphics with equipment status, analog values, trend screens, etc.
- Full control of equipment and set points
- Alarm management, including remote notification and acknowledgment
- Data and reporting with graphical trends, reports and exportable data
- Maintenance scheduling with predictive and preventative tools and information

icontrol®





solutions





PUMP CONTROLLERS

PRIMEX® float-based and transducer-based pump controllers incorporate features that reduce the amount of field expertise needed to operate systems for municipal and industrial water control applications, and represent the most reliable integration of engineering and manufacturing in the industry.

				
	DPC-4F	TPC-4F	TPC-5F	Station View™
Power	120/240 VAC	120/240 VAC	24 VDC	24 VDC
Float Control	Max 4	Max 4	Max 5	Max 4
Analog Transmitter Control				Yes*
Primary or Backup Control Mode	Both	Both	Primary	Primary
Max Number of Pumps	2	3	3	2
Pump Up or Pump Down	Both	Both	Down	Down
Alternation	X	X	X	X
Pump Protection Monitoring			X	
Communications			Serial***	Serial***
Pump Watch™ or iControl® Capable			Pump Watch™	Pump Watch™
UL Listed	X	X	X	X
NEMA Rating	NEMA 1	NEMA 1	NEMA 1	NEMA 1





*If transmitter is being used for control, 2 float inputs are used for high and low level indication only.

**Stage Controller with up to 6 stage blocks

***Optional Ethernet



One of our greatest strengths is our expertise in the municipal water control industry. Our controllers incorporate features that reduce the amount of field experience required for operation and utilize the latest in electronic assembly. You can be sure quality is programmed into every controller.

					
	PC-3000XC	SP6R-X	Level View™	Energy View®	VPAC LSC
Power	24 VDC	24 VDC	24 VDC	24 VDC	12-24 VDC
Float Control					
Analog Transmitter Control	X	X	X	X	X
Primary or Backup Control Mode	Primary	Primary	Primary	Primary	Primary
Max Number of Pumps	3	6**	3	2	3
Pump Up or Pump Down	Both	Both	Both	Both	Down
Alternation	X		X	X	X
Pump Protection Monitoring			X	X	X
Communications	Serial***		Serial***	Serial***	Serial/Ethernet
Pump Watch™ or iControl® Capable	Pump Watch™		Pump Watch™	Pump Watch™	iControl®
UL Listed	X	X	X	X	X
NEMA Rating	NEMA 1	NEMA 1	NEMA 1	NEMA 1	NEMA 4X

*If transmitter is being used for control, 2 float inputs are used for high and low level indication only.

**Stage Controller with up to 6 stage blocks

***Optional Ethernet



EXPRESS SOLUTIONS

For jobs that require less complex control systems, PRIMEX® offers Express Solutions which are professionally designed utilizing high quality components, available at competitive prices with quick response lead times; many panels are stocked.



331 AND 331-SV PANEL

3 Phase, 3 Voltages, 1 Panel

Simple, versatile duplex control panel designed to field install appropriate overload modules, up to 32 amps each.

- Series A version available
- Stainless steel wall mount NEMA 4X enclosure (331 also available in fiberglass)
- Single point power connection
- IEC HP rated motor starter
- 10HP max @ 208, 240V
- 20HP max @ 480V



HYDRO-PNEUMATIC TANK CONTROL (HTC)

Micro-VPAC II application solution for small water systems and upgrades for Healy-Ruff Roto-Mag controls.

- Affordable “packaged” solution
- Simplex, duplex and triplex pump applications
- Easy to install and set up



ACCEL® PANEL PROGRAM

We’ve engineered base models with select options that are quoted and delivered with accelerated lead times.

- Same day quotes with self-serve quote tool
- 24-hour submittals (includes BOM, layout drawing and electrical schematic)
- 10-day build-to-ship*
- Simplex, duplex and triplex solutions

*Due to supply chain and labor constraint issues, lead times are as quoted and subject to change based on availability.



PREMIER SOLUTIONS

We have the expertise to design and build robust control systems for sanitary sewer, storm water, water well, booster and other applications, no matter how complex.

Our Premier Solutions include the patented multi compartment Arc Armor® system which reduces operator exposure to arc flash. ECO Smart Station® energy efficient control panels are also offered.



Power Equipment:

- Service entrance rating
- Auxiliary power inlets and connections
- Power quality monitoring
- Lightning arrestors
- Transfer switch gear
- Voltage/current meters
- Transient voltage surge suppression/filtering
- Surge capacitors

Motor Control:

- Across the line starters (NEMA, IEC, manual)
- Reduced voltage starters
- Variable Frequency Drives (VFDs)

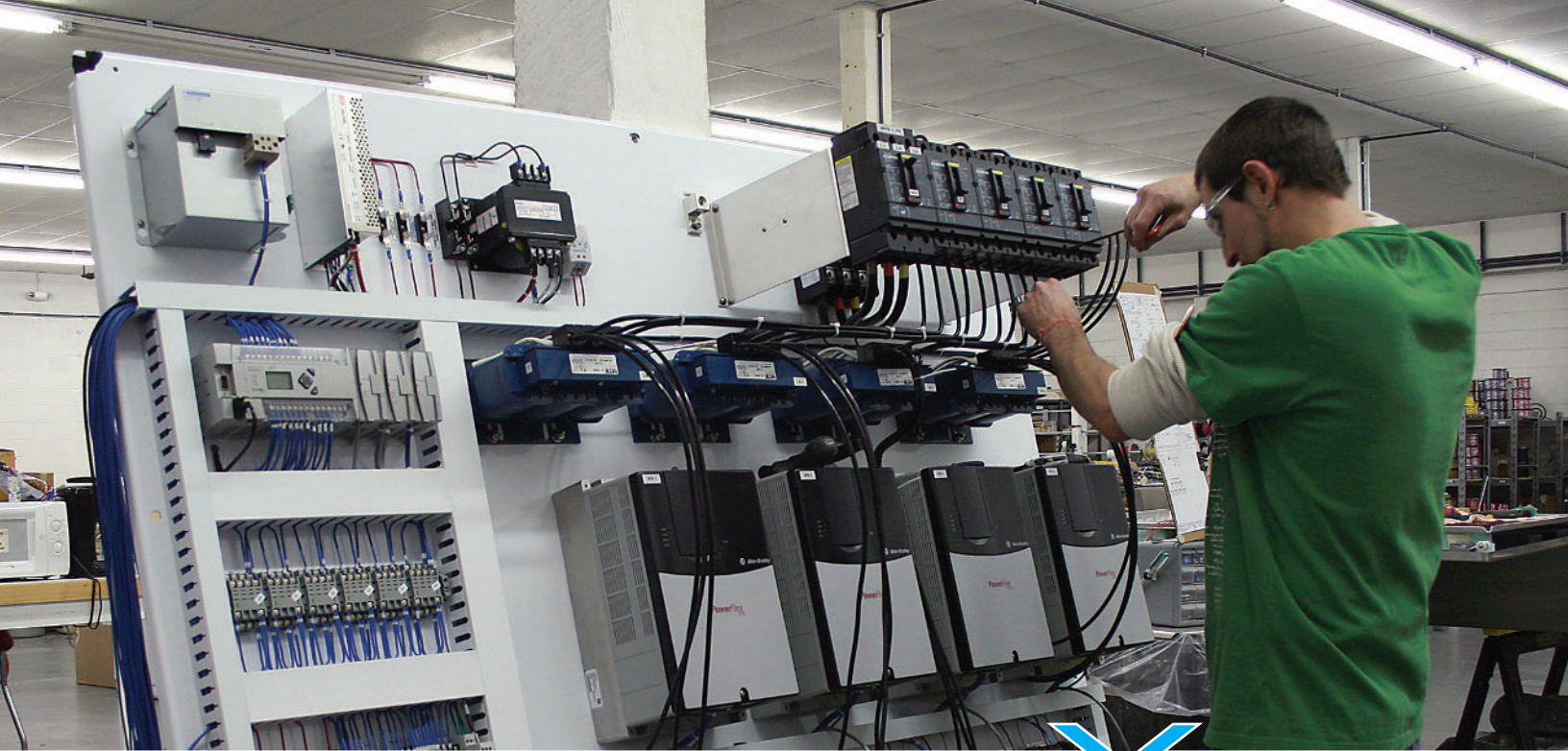
We program and support every major Programmable Logic Controller and Operator Interface Terminal manufacturer:

- Allen Bradley
- Telemecanique
- Siemens
- General Electric
- Modicon and more

Complete SCADA Package Solutions:

- Computer with SCADA software with custom graphics and animation and data logging
- Communication equipment

ecosmart
STATION



ABOUT PRIMEX®

PRIMEX® is the largest provider of complete control solutions for water/wastewater applications in North America, offering a broad end-to-end suite of products and services, including standard pump control panels, full-feature, web-hosted iconcontrol® SCADA solutions and highly complex system integration projects for large municipalities.

With thousands of installations across North America, nearly a century of expertise and hundreds of years of combined engineering and electrical controls experience, PRIMEX provides control solutions for municipal and industrial process water applications using the latest technology to deliver energy efficient and cost effective systems carrying UL 508A, UL 698A, UL NNY and other approvals as specified.

Multiple design and production facilities located across North America ensure PRIMEX customers seamless, high quality water control solutions. PRIMEX employee-owners offer fast turnaround on quotes, submittals and delivery, while maintaining high standards for quality. Investing in research, new product development and testing are core PRIMEX values. PRIMEX is continually designing innovative control solutions to meet the growing demands of the water control industry.



We're proud to be an active supporter of these industry associations:



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