



JMP Solutions

Industrial Technology Partner to the Fortune 1000



Process Automation

Solutions and Capabilities

We help people
and businesses
realize their
full potential
by *continually*
redefining what is
possible.

JMP Solutions

PROCESS AUTOMATION DIVISION

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|---|-----------|
| Intro to Process Automation at JMP | 04 |
| The JMP Difference | 06 |
| Industry Accreditations | 07 |
| Capabilities & Expertise | 08 |
| Industry Focus | 10 |

JMP Solutions is an Industrial Technology Partner to Fortune 1000 manufacturers and producers providing engineering services and turnkey solutions in seven core areas: process automation, control system integration, information and MES, automation and robotics, automated guided vehicles, material handling, and networking and security applications. With 15 business units in the U.S. and Canada, JMP services customers locally, delivering more than 20,000 solutions to 1,000-plus clients over the course of its 30-year history.

Process Automation

JMP Solutions



The goal of process automation is to develop a synergistic flow from inlet to outlet or upstream to downstream within a process between a myriad of sensors, valves, pumps, motors, etc. and their interactions with each other, the process media and their physical environments.

It is a very dynamic and continuous discipline with a unique focus not only on the technology, but beyond to the fluid or media being handled, controlled or transported and where the process conditions and measurement parameters can be in a state of constant flux. The relationship between various measurement and control elements within a process is a true ecosystem, in which components operate with a certain level of dependency on each other to

obtain and interpret critical data, while distributing feedback throughout the loop and reacting accordingly towards a common goal of process optimization, safety and efficiency.

At JMP, our process automation division is very closely linked to our control system integration division, however it is uniquely differentiated by the high level of expertise and collective experience in process specific industries such as Oil & Gas, Water & Wastewater Treatment, Pulp & Paper and Chemical Manufacturing. The applications in these industries are inherently highly interactive with, and in many cases directly in contact with the process media, requiring a unique combination of technology, safety considerations and expertise in order to satisfy the unique expectations of these industries.



What we say,
we do. Every
time. All the
time.



LEARN MORE ABOUT OUR PROCESS AUTOMATION CAPABILITIES

The JMP Difference: What sets us apart.



OPERATIONAL DISCIPLINE

Customer satisfaction is our absolute first priority and this is reflected in our daily operating rhythms. Customer issues are addressed daily by each employee through to the executive team. Transparent NPS surveys publicly rank our performance unedited.



THE JMP PROMISE

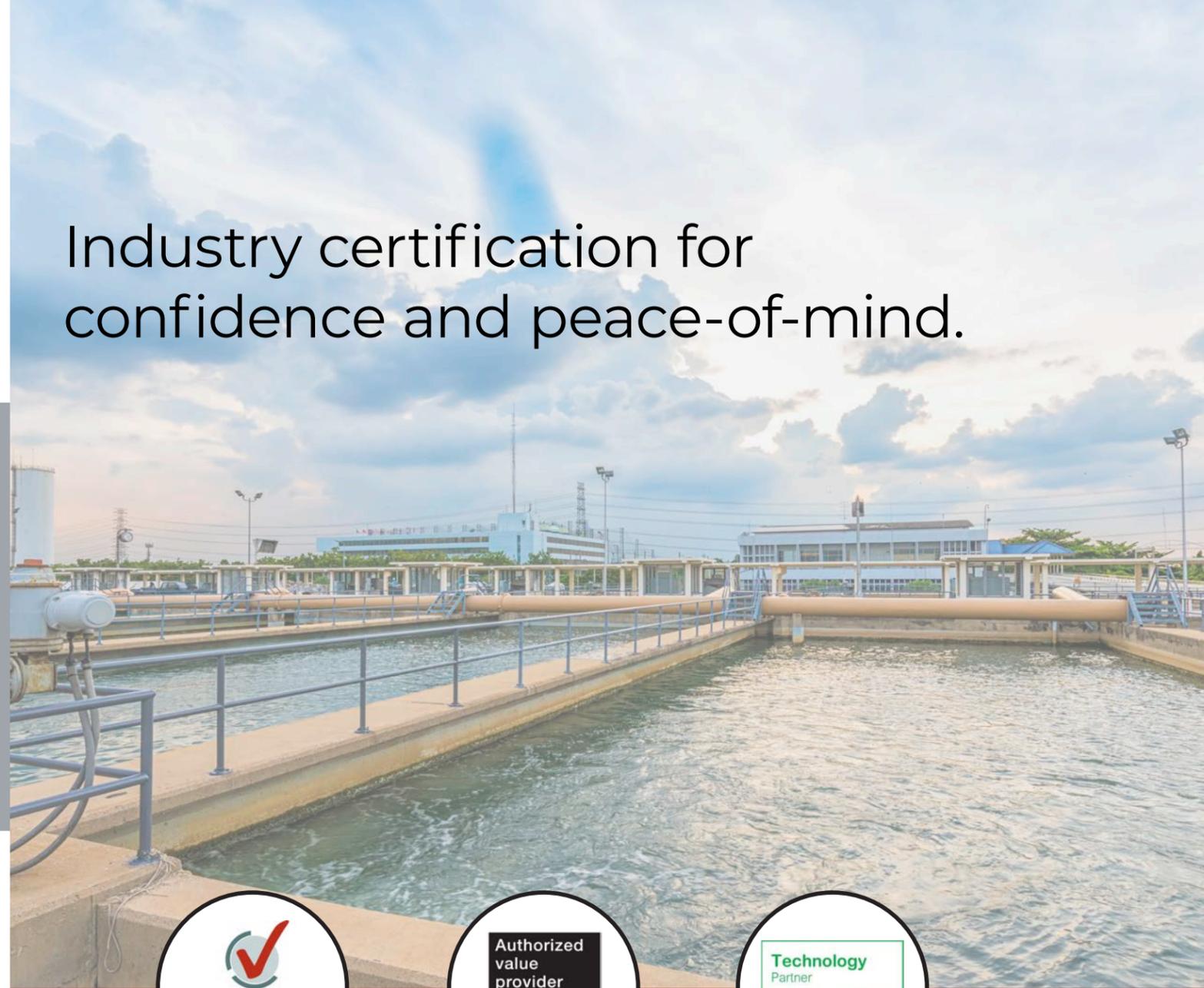
At JMP we promise an extraordinary customer experience delivered through exceptional communication, guaranteed performance and radical commitment across the scope of the project and beyond with continued support.



PROJECT EXECUTION METHODOLOGIES

We execute with excellence every time, all the time. Our proven project management process is meticulously focused around all aspects of change, risk and quality & safety management with stage-gate analysis at all critical points.

Industry certification for confidence and peace-of-mind.



Control System Integrator Association Certified



ABB Authorized DCS Value Provider



Schneider Electric Technology Partner



Process Automation Competency



With over 30 years and hundreds of projects worth of experience in process automation solutions we have developed a full scope of expertise in all relevant technologies, applications and safety standards. From design to project management to embedded engineering support and beyond we are a trusted partner delivering expert support at every project phase.

Capabilities & Expertise

DCS

Our process division is highly proficient in a wide scope of all major manufacturers of distributed control systems. By understanding your process from the inside out, our engineers are able to get the most out of your DCS, maximizing process optimization.

SCADA / HMI

Full scale industrial control capabilities for a wide scope of high-level supervisory control and data acquisition packages across all applicable industries. Interface design and customization capabilities to deliver the most user friendly and secure means by which operators address their processes.

Loop Audits

Plant-wide PID loop audits utilize historical performance data to search out mechanical, bus communication and component interaction inefficiencies in order to tune and eliminate these negative influences. This results in higher productivity, process safety and overall operational efficiency.

Panel Manufacturing

Our custom panel shop is both UL508A and UL698A certified and able to provide enclosures built to your exact specifications or designed by us to be fully and fully approved (intrinsic safety, Ex zone, etc.) as required.

Process Instrumentation

Instrumentation, transmitters, associated valving and PID control loops are an integral component of process automation solutions. Our solution design capabilities include instrumentation selection, programming, scaling, commissioning and service across the scope of process instrumentation and automation manufacturers.

Process Safety

Safety is always a top priority regardless of the project, application or industry. Process safety ensures a safe working environment within the facility and beyond to the local area. SIL and CIL certification ensure process integrity in critical and potentially hazardous applications

Turnaround Management

We can assist with facility upgrades and retrofits during your planned downtime. We have extensive turnaround management experience and serve to minimize risk while bringing down or re-establishing process conditions.

Hazardous Locations

We are highly familiar with and experienced in all levels of North American Hazex zone classifications and requirements including related to FM and CSA.



Multi-Industry Expertise

Our design and integration experience spans virtually every industrial segment however, the unique skillset of our process automation division addresses process-specific industries satisfying their unique set of expectations, safety standards and terminology.



OIL & GAS AND REFINING

The process scope in this industry is a vast and highly varied one. From midstream leaching plants, tanks farms and compressor stations through downstream refining and beyond to airport fueling station and tank farm automation, we are highly experienced.



WATER & WASTEWATER

Both private and municipal water treatment facilities are process environments from inlet to outlet. We have extensive experience in both of these market segments in all aspects of technology, environmental requirements and regional legislation.



CHEMICAL MANUFACTURING

Specialty chemical manufacturing typically consists of a number of facilities spread out over a geographical region. Consistency, traceability and data accessibility between these facilities is a key factor and a complementary set of competencies at JMP.

Process automation solution design and implementation pays particular attention to the process media being controlled and how it interacts with the digital technology being employed to do so. It typically lends itself to a bigger picture flow of upstream and downstream components working in synergy and as such presents itself as more of an industry segment than simply an isolated field of technology. These unique properties are specific to industries that focus more on the flow of the process as a whole more than the direct technology or processor speed for interpreting discrete parameters.

JMP Solutions

Head Office:

4026 Meadowbrook Dr. Unit 143,

London, ON N6L 1C9

Toll Free: 1-855-228-0436

Find your nearest office

