



# JMP Solutions

*Industrial Technology Partner to the Fortune 1000*

## Networking & Security

**Solutions and Capabilities**

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

# JMP Solutions

NETWORKING & SECURITY DIVISION

<b>Intro to Networking &amp; Security at JMP</b>	<b>04</b>
The JMP Difference	06
Industry Accreditations	07
Network Infrastructure Assessment	08
<b>Capabilities &amp; Expertise</b>	<b>10</b>

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.

# Networking & Security

JMP Solutions



As industrial technology continues to evolve along the pathway of industry 4.0, we see an increasing emphasis on IT/OT convergence and the use of cyber-physical technologies to increase efficiency and decrease cost in order to develop competitive advantage. As the opportunities introduced by these technological advancements continue to grow so does the prevalence, scope and sophistication of the external threats to your IT environment. As such, in order to protect your business from these threats, proactive attention to network infrastructure and cyber security is becoming more critical.

At JMP we have a dedicated Networking & Security division devoted specifically to providing assessment, roadmapping and implementation services to organizations looking to capitalize on

the efficiencies generated through industrial IT and IIoT technologies while adopting the best practices required to keep these resources secure from predatory cyber-attacks. Our multi-layer approach to network security establishes peace-of-mind through design and implementation of physical, electronic and procedural safeguards.

Through our seven unique divisions that span all aspects of manufacturing from networking to information systems through robotics, material movement and process control we are able with assess your IT infrastructure with the goal of overall equipment effectiveness (OEE) in mind. We aren't limited to evaluating only your IT environment in an isolated state without consideration for how and changes would impact your downstream OT processes.



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



LEARN MORE ABOUT OUR NETWORK & SECURITY 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.



**Cisco  
Systems  
Registered  
Partner**

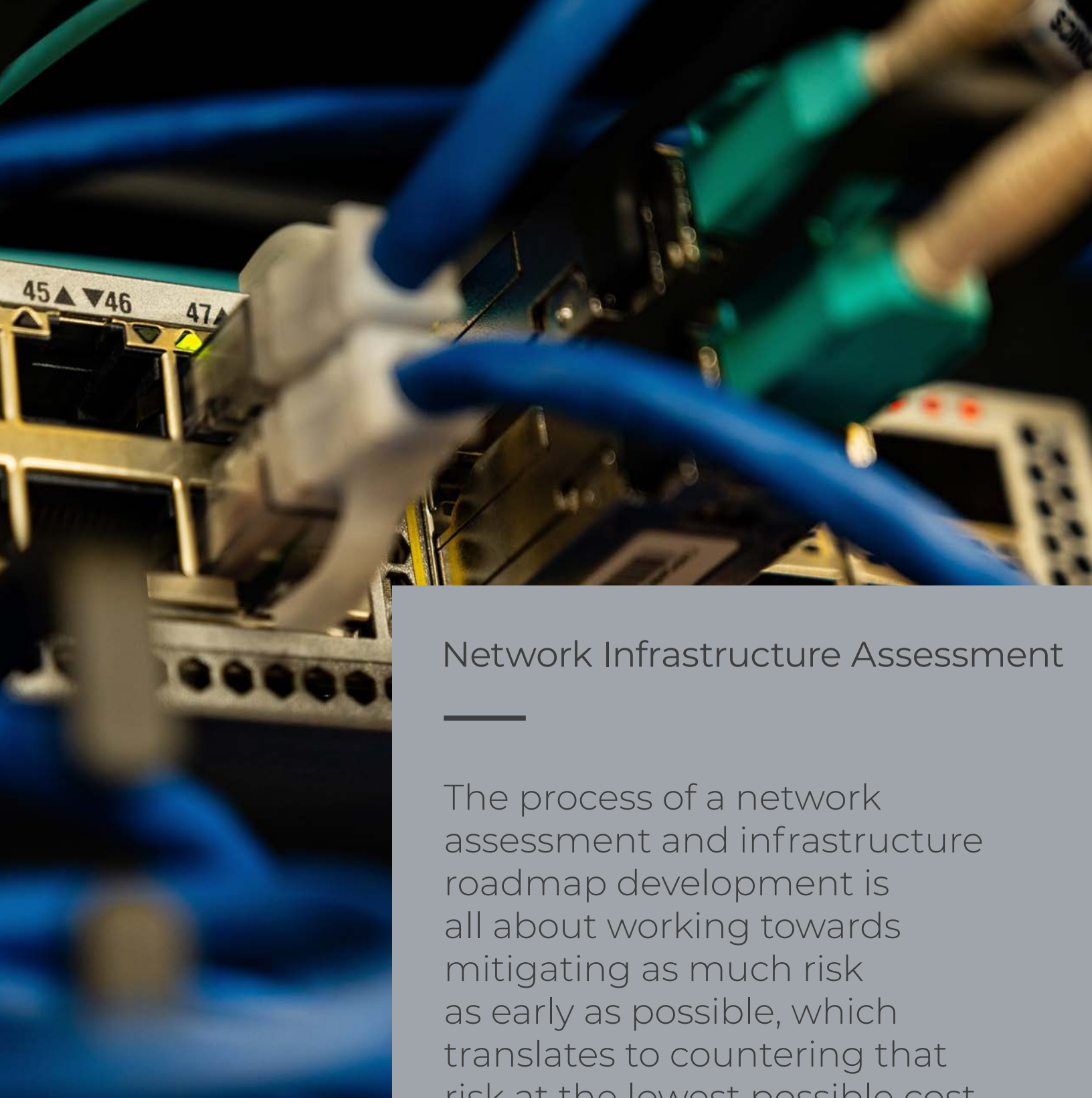


**Rockwell  
Automation  
Solution  
Partner**



**Panduit  
Certified  
Business  
Partner**



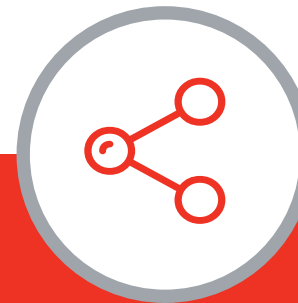


## Network Infrastructure Assessment

---

The process of a network assessment and infrastructure roadmap development is all about working towards mitigating as much risk as early as possible, which translates to countering that risk at the lowest possible cost.

Our comprehensive industrial networking & cyber security infrastructure assessment process is tailored specifically to manufacturers and serves to yield the most functional and efficient IT/OT environment while protecting your assets through absolute IT security. Our tested and proven assessment process allows our customers to accomplish this level of secure operational efficiency through extensive analysis of three distinct and critical IT categories.



### PHYSICAL NETWORK INFRASTRUCTURE

We will perform a visual inspection of physical environments within the plant reporting on cabling, enclosures, servers and all other network hardware assets. The inspection report will yield details on your current hardware infrastructure lifecycle and recommendations for upgrade / replacement where necessary.



### LOGICAL NETWORK AND CYBER SECURITY

Full scale industrial networking design and implementation capabilities, including routing, switching, VLAN segmentation and firewalls. Integration between OT and IT networks to allow secure and successful plant digitization.



### INDUSTRIAL DATA CENTER

We will gather information on all compute and storage resources that support the OT environment in order to assess and develop redundancy, backup and DR plans for these resources. We will provide future state recommendations for this infrastructure based on required RTO and RPO.





# Network Infrastructure & Cyber Security



Our wide scope of experience in managing and executing projects across a vast spectrum of IT and network applications provides peace-of-mind that your business will be safe and secure from all sides.

# Capabilities & Expertise

## Cyber Security Assessment

Full security roadmap assessment that will provide current state and recommended future state of any of the following targeted items. Detailed and prioritized recommendations to guide you towards full plant digitization ensuring reference architectures and primary security standards are met.

## Wireless Network Services

Design and deploy wireless networking throughout your facility or assess and repair existing wireless. Site signal mapping and AP placement to ensure successful wireless deployment.

## Virtualization Upgrade and Reconfiguration

Upgrade, replace and design of you industrial data center infrastructure. Considering redundancy, backups and disaster recovery planning to ensure a resilient infrastructure in in place to support your production environment. Virtualizing HMIs and other plant critical systems and bringing them back into this secure resilient infrastructure.

## Network Monitoring Services

Proactive networking and infrastructure monitoring services covering all network devices, and server / HMI infrastructure. Providing the ability to identify issues in advance, and historically assess potential issues.

## Managed Security Services

Deploy firewalls and intrusion protection systems that are remotely managed and monitored ensuring regular checks and updates are completed. Constant eyes on security events in a proactive manner with a remote Security Operations Center.

## Alarm Relay Services

Continued evolution into the world of Industry 4.0 provides vast opportunity for higher level of automation and efficiency through cyber-physical system optimization.

## Future Readiness

Full roadmap assessment that will provide current state and recommended future state of any of the above targeted items above. Detailed and prioritized recommendations to guide you towards full plant digitization.

**JMP Solutions**

Head Office:

4026 Meadowbrook Dr. Unit 143,

London, ON N6L 1C9

Toll Free: 1-855-228-0436

Find your nearest office

