



**Authorized  
Service Provider**  
A ROCKWELL AUTOMATION PARTNER



# MACHINE LEVEL NETWORK DESIGN

## APPRECIATE GOOD DESIGN?

With a Machine Level Network Design, we help your machines make the right connections.

Improve overall equipment effectiveness (OEE) by more than 10% by connecting machines for intelligent decision making in the digital transformation.



### ASK YOURSELF:

- Do you have line expansion requirements?
- Do you need to capture data from new or existing machines?
- Are you performing any device level analytics?
- Do you have standards for cell/zone topologies?
- Do you require standard network documentation?
- Is your access layer switch hardware on a common platform?

## WE HAVE THE EXPERIENCE TO HELP

Machine Level Network Design Package Deliverables:

- Physical network component specifications
- Access layer bill of materials
- Device IP addressing
- Access switch topology and port maps
- Machine level design drawings

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## BENEFITS

**Increase** machine visible

**Improve** application response time

**Support** growth and expansion planning

**Reduce** operational costs

## WHAT TO EXPECT

### 1. Collaboration meeting

The process begins with collaboration meeting to discuss business objectives and network design expectations, and to identify functional network requirements.

### 2. On-site data collection

An SMC Network and Security Services Consultant will conduct a current network analysis to evaluate the network architecture, installation environment, and current performance. This step also includes the identification and documentation of:

- Uptime requirements
- Manufacturing process flows
- Interoperability requirements
- Functional zones
- Planned expansions

### 3. Off-site data processing

The data collected will be analyzed by an SMC Network and Security Services Consultant to develop a network design package including physical and logical drawings with detailed component specifications.

### 4. Design package review

Your Network and Security Services Consultant will review the machine level network design drawings with you to ensure all network requirements were met to your satisfaction.



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FOR MORE INFORMATION, PLEASE CONTACT your local SMC representative, or visit [www.smcelectric.com/company/contact](http://www.smcelectric.com/company/contact)