



**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

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.



FOR MORE INFORMATION, PLEASE CONTACT your local SMC representative, or visit www.smcelectric.com/company/contact