



**EESCO**<sup>®</sup>

A DIVISION OF WESCO DISTRIBUTION, INC.

**Ask  
yourself...**

Is my network design fit for purpose?

How well is my network performing?

Can I expand my network?

How do I monitor my network?

What does network security mean for me?

How do I make my network more connected?



## **EESCO NETWORK ASSESSMENTS**

Over the past century, global manufacturing systems have evolved from manual, linear processes. Landmark advances to automation technology and production methods paved the way for today's high-powered, efficient automated systems.

The IT infrastructure for your production environment is the key to continuing down a road of efficiency and profitability. Maintaining peak performance, while implementing security standards to keep your data and proprietary processes protected, should be your foremost concerns when evaluating your existing network.

EESCO considers these challenges with a unique perspective — leveraging our traditional industrial automation expertise along with our team of information technology specialists. Using this balanced approach between both disciplines we can fully assess your industrial IT assets to help remediate potential performance and security issues.



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# DOWNTIME IS EXPENSIVE!

## ITICR\* conducted a survey that revealed:

- 98% of organizations said that a single hour of downtime costs over \$100,000.
- 81% of respondents indicated that 60 minutes of downtime costs their business over \$300,000.
- A record one-third or 33% of enterprises report that one hour of downtime costs their firms \$1 million to over \$5 million.

“Companies are ever more reliant on their interconnected networks and applications to conduct business.

The emergence of the Internet of Things (IoT), virtualization and cloud computing environments puts greater emphasis on reliability and the cost of downtime.

In interconnected environments, there is greater risk of collateral damage — or more servers, applications, connectivity equipment and knowledge workers being impacted by outages when the systems are interconnected.”

\*Source: Information Technology Intelligence Consulting Research  
<http://itic-corp.com/blog/2016/08/cost-of-hourly-downtime-soars-81-of-enterprises-say-it-exceeds-300k-on-average/>

## EESCO Network Assessments include an overview of the following areas:

### Physical Network Infrastructure

- Physical Topology
- Switch Selection
- Router Selection
- Ethernet Communication
- Environmental Conditions
  - Enclosures
  - Cable Selection
  - Cable Management
  - Conduit and Routing
  - Cable Labeling
  - Power Redundancy
  - Grounding

### Network Logical Infrastructure

- Logical Topology
- Security Zones
- Manufacturing Zone
- Cell/Area Zone

### Industrial Security

- Asset Management
- Governance
- Risk Assessment and Management
- Access Controls
- Awareness and Training
- Data Security
- Maintenance
- Incident Detection
- Physical Security

