

The Complete Network Strategy for Manufacturers

Enterprise-class visibility, uptime and security across IT and OT—see every device, control vendor access, and reduce risk without slowing production.

The Challenge

Every minute of downtime costs more than lost output. It disrupts orders, strains crews, and chips away at customer trust.

And while operations race to connect more systems, 80% of manufacturing firms experienced a significant increase in security incidents in 2024, exposing gaps in visibility, vendor oversight, and network control. (Source: Manufacturing Digital - "Why Industry 4.0 is Increasing Manufacturing Cyber Attacks," February 2025.)

As plants modernize, new machines connect faster than networks can adapt. Vendor laptops log in remotely, switches age quietly, and a dozen tools claim to monitor "everything."

BCTI helps manufacturers cut through the noise. We bring calm, clarity, and control to complex environments, designing integrated Cisco-powered networks that protect uptime and make every connection accountable.

A Partner Who Sees the Whole Picture

Most vendors sell a box. **BCTI builds a strategy.**

We work with leaders who need integration help, not just hardware. Those balancing legacy systems, new automation, and too many vendors. Our two-team approach—networking and systems—works together to design and integrate the full environment: network, servers, voice, and wireless.

It's a boutique model backed by enterprise expertise: high-touch, coordinated, and tailored to your production priorities.

With BCTI, you get one partner, one strategy, and one number to call when it matters.

Our Three-Step Approach

Because every network issue has a story behind it, BCTI starts by uncovering causes, not just treating effects.



1. Assess

We inventory assets, map trust relationships, and baseline live network traffic without interrupting production.



2. Stabilize

Correct configuration drift, segment networks intelligently, and standardize remote access so incidents stay contained and recovery paths are clear.



3. Modernize

We plan and execute upgrades that deliver measurable ROI. Each step is sequenced around maintenance windows, so production keeps moving and your recovery stays simple.

What We Deliver

- **Advanced Networking:** Cisco Catalyst switching, routing, wireless, and SD-WAN
- **Network Security:** Cisco Secure Firewall, Duo MFA, and integrated Zero Trust frameworks
- **Unified Communications:** Cisco Webex and collaboration tools built for plant mobility
- **IT Support:** 24/7 Emergency Support and rapid response
- **Consulting & Architecture:** Root-cause assessments and long-term roadmap planning for fewer vendors and more accountability.

Results That Matter



For Operations Leaders

- Fewer surprises and faster recovery when issues occur
- Clear vendor access windows and accountability
- Changes scheduled around shifts and maintenance
- Audit-ready documentation for customers and insurers that simplifies compliance.



For IT Directors

- Reduced tool sprawl and clearer visibility
- Integrated Cisco controls across IT and OT
- Prioritized modernization with defined ROI
- Simplified vendor and incident management

Clarity Starts with a Conversation

For more than 40 years, BCTI has helped manufacturers across Tennessee, Virginia, Kentucky, and North Carolina turn network complexity into a clear, actionable plan. If you're ready to see your environment the way our engineers do—root causes, not just alerts—let's talk.

One conversation can reveal the risks, redundancies, and opportunities hidden in your current environment. We'll help you outline a Cisco-backed strategy that protects uptime, reduces complexity, and supports your next phase of growth.

See your network clearly. Start with a strategic conversation!



Email us at info@bcti.com



Give us a call at (423) 283-0543