



Industry - Manufacturing

Manufacturing Company | Network Transformation & Security Enhancement Across Multiple Facilities

Overview

A multi-location manufacturing company partnered with iTi Communications to improve network performance, strengthen security, and centralize IT management across its facilities.

The goal was to create a reliable, high-performance network that could support production systems, real-time data exchange, and future expansion.

The Challenge

The company faced critical infrastructure issues:

- **Fragmented network infrastructure** across locations
- **Frequent connectivity issues**, disrupting operations
- **Limited visibility into network performance**
- **Security vulnerabilities across endpoints and systems**
- **Difficulty scaling infrastructure for growth**

About the Client

The client operates several production facilities, relying on:

- Connected machinery and production systems
- Real-time data transfer between sites
- Internal communication and operational systems

Network instability directly impacted production efficiency and output.

The Solution

iTi Communications implemented a complete network and security transformation:

1. Network Redesign & Optimization

- Upgraded LAN/WAN infrastructure for better performance
- Standardized network architecture across all sites
- Improved bandwidth and reliability

3. Advanced Security Deployment

- Implemented firewalls, intrusion detection, and monitoring tools
- Secured endpoints and production systems
- Reduced risk of cyber threats impacting operations

2. Centralized Network Management

- Enabled unified monitoring and control
- Improved visibility into performance and usage

4. 24/7 Monitoring & Support

- Continuous monitoring through NOC services
- Rapid issue detection and resolution

5. Scalable Infrastructure Design

- Built network to support additional facilities and future growth

The Results:

- **70% improvement in network performance**
- **Reduced operational disruptions across facilities**
- **Enhanced security across all systems**
- **Centralized visibility and control**
- **Scalable infrastructure supporting growth**

Client Feedback

"Our network is now faster, more secure, and easier to manage. iTi Communications helped us eliminate disruptions and keep our operations running smoothly."

— Operations Manager

📍 1111 Metropolitan Ave Suite
1050 Charlotte, NC 28204

📞 (888) 407-2573

🌐 www.iticomunications.com

