

# Unlock the potential of your network

Service Brief



## Belden's Network Assessment Service

In today's rapidly evolving Industrial Operations landscape, businesses face numerous challenges when it comes to their network infrastructure. Outdated systems, operational inefficiencies, rising costs, and security vulnerabilities can hinder growth and competitiveness. At Belden, we understand these challenges and offer comprehensive solutions, starting with a network assessment to understand your current network and define a solution tailored to your needs.



### Added values

- **Comprehensive evaluation:**  
Gain a clear understanding of your network's current state. We identify weaknesses, bottlenecks, and areas for improvement, providing you with actionable insights to optimize your network.
- **Customized recommendations:**  
Receive tailored recommendations that address the specific issues identified in your network assessment. Our focus is on optimizing your network's performance, efficiency, and reliability, enabling you to achieve maximum operational effectiveness.
- **Cost savings:**  
Identifies potential issues and recommends solutions before they escalate, so you can avoid costly downtime, repairs, and inefficient operations, resulting in significant cost savings.
- **Future readiness:**  
Ensure your network is future-proofed. We align your network infrastructure with your long-term business goals, enabling scalability, flexibility, and informed decision-making for sustained success.
- **Expertise and insights:**  
Tap into Belden's specialized knowledge, industry best practices, and recommendations garnered from our extensive experience in network optimization. Our experts provide invaluable insights that empower you to enhance your network.

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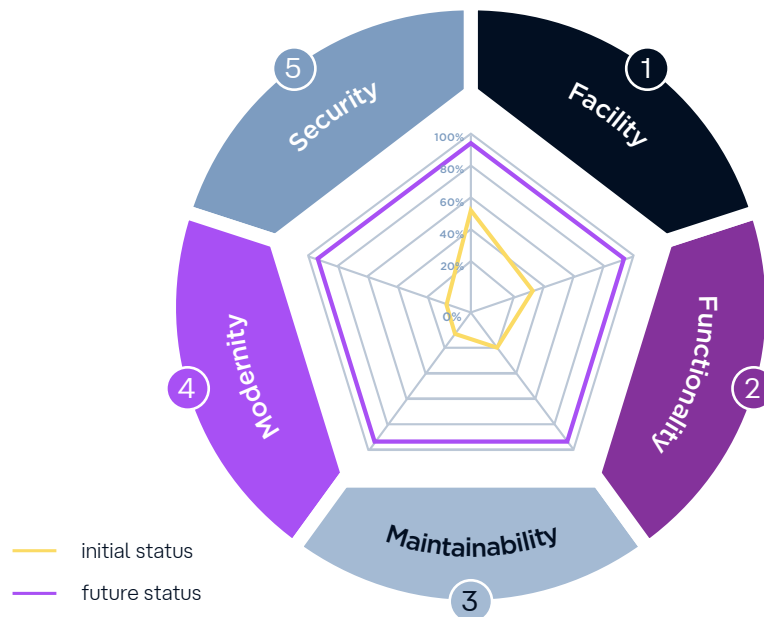


## What we do:

By identifying weaknesses, providing actionable insights, and delivering tailored recommendations, we empower you to overcome challenges and optimize your network for success.

## Network panoramic rating framework: a holistic assessment approach

Our Network Assessment Service is based on our comprehensive Network Panoramic Rating Framework, which ensures a thorough assessment of your network's strengths and weaknesses, enabling targeted improvements and optimization.



- 1 Optimize facility:** Ensure your network's application, environment, and standards align with best practices for management, connectivity, physical installation, and documentation.
- 2 Maximize functionality:** Harness the full capabilities of your network to maximize availability. Our assessment evaluates redundancies, features, and data transmission performance, ensuring optimal performance and uptime.
- 3 Enhance maintainability:** Streamline network maintenance for optimal performance and availability. Our assessment includes evaluating operation, repair, monitoring, and remote access to simplify and improve your network maintenance processes.
- 4 Embrace modernity:** Stay ahead of the curve with the latest technology advancements. Our assessment analyzes hardware, software upkeep, protocols, and data technologies to ensure you are leveraging cutting-edge solutions for improved network performance and future-proofing.
- 5 Strengthen security:** Safeguard your network from threats and vulnerabilities. Our assessment evaluates network architecture, device configuration and operation, and maintenance practices to reinforce network segmentation, access control, patch management, and security mindset, ensuring robust protection for your critical assets.



# Belden's Network Assessment Service

## Network Assessment

### Switching Assessment

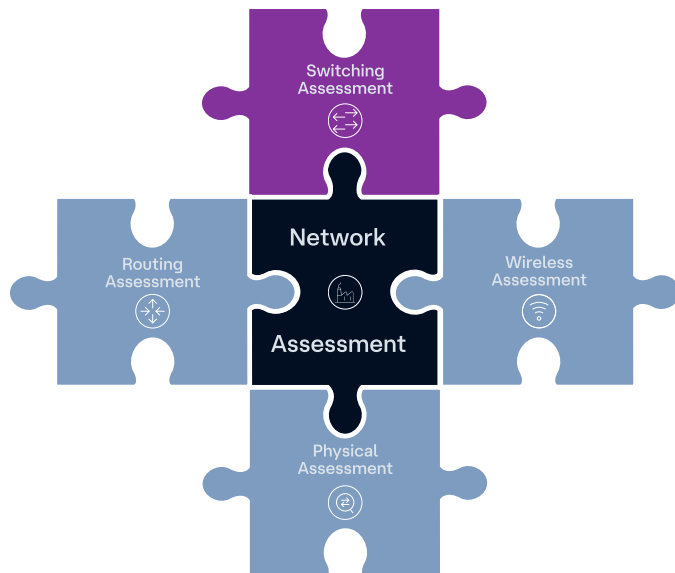
**Description:** Ensure your network's application, environment, and standards align with best practices for management, connectivity, physical installation, and documentation.

**Deliverable:** Network Assessment Report

1. Executive Summary
2. Technical Summary

The base Switching Assessment is mandatory to book one or more of the optional add-ons:

- Routing Assessment
- Wireless Assessment
- Physical Assessment



### Routing Assessment

**Description:** Analyze your network's routing configuration, segmentation, and redundancy to ensure it meets your current and future needs.

**Deliverable:** An additional report that includes routing device content.

### Wireless Assessment

**Description:** Evaluate your existing wireless network coverage, capacity, and security to ensure it meets your current and future needs.

**Deliverable:** Additional report content including heat maps and an in-depth analysis of wireless issues in context of the overall network.

### Physical Assessment

**Description:** Inspect your physical network infrastructure to ensure it meets industry standards and future needs.

**Deliverable:** Additional report content that evaluates all physical infrastructure compared to sampled review in base assessment.



# Belden's Network Assessment Service

## Methodology

Belden's certified experts perform the Network Assessment Service in a comprehensive five-step process:

### 1 Kick-off meeting

Our team meets with the customer and end-user stakeholders to review the schedule, scope of work, and individual responsibilities.

### 2 Network inventory

We remotely gather existing network designs, documentation, and configurations to establish a comprehensive overview of your network infrastructure.

### 3 Onsite assessment

Our experts perform a thorough evaluation of your network's current state. We conduct logical network checks using industry-standard software for network management, discovery and packet capture, then assess physical installations, device health and install base.

### 4 Network assessment report creation

We analyze the gathered data and provide a comprehensive report containing an overview of the assessment goals, an executive summary directed toward business outcomes, detailed technical findings and recommendations, and a summary of services performed.

### 5 Network assessment report presentation

We present the findings and recommendations to you in a clear and concise manner. We explore your options together, provide guidance on implementation, and address any questions or concerns you may have.



# Connect to what's possible.

Service Brief



## About Belden

Belden Inc. delivers complete connection solutions that unlock untold possibilities for our customers, their customers and the world. We advance ideas and technologies that enable a safer, smarter and more prosperous future. Throughout our 120+ year history we have evolved as a company, but our purpose remains – making connections. By connecting people, information and ideas, we make it possible. We are headquartered in St. Louis and have manufacturing capabilities in North America, Europe, Asia and Africa.

For more information, visit us at:

[belden.com/services](https://belden.com/services)

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