



ConnX AI

ConnX Infrastructure Intelligence Assessment

Clarity Across Infrastructure, Systems, and Operational Intelligence

UNDERSTAND HOW YOUR INFRASTRUCTURE ENVIRONMENT IMPACTS OPERATIONS, SAFETY, AND MODERNIZATION READINESS.

A comprehensive assessment of infrastructure systems, data flows, and operational dependencies—designed to deliver real-time visibility, reduce risk, and enable smarter planning and decision-making.

The Challenge Organizations Face

Infrastructure environments have evolved over time—often without centralized visibility or coordination across systems.

ORGANIZATIONS COMMONLY FACE:

- Fragmented IT, OT, IoT, and communications systems
- Limited visibility into infrastructure performance and dependencies
- Siloed data and disconnected operational workflows
- Inability to anticipate and plan for disruptions or peak demand
- Growing complexity in meeting safety, resilience, and compliance mandates

WHEN INFRASTRUCTURE SYSTEMS DON'T COMMUNICATE, THE IMPACT CAN INCLUDE:

- Delayed incident detection and response
- Reduced coordination across agencies and departments
- Increased operational risk and service disruptions
- Inefficient planning and resource allocation

The ConnX Difference

ConnX approaches infrastructure as a connected, intelligent system—not isolated technologies.

- ☑ Deep experience across IT, OT, IoT, and infrastructure ecosystems
- ☑ Understanding of how infrastructure supports operations, safety, and coordination
- ☑ Vendor-neutral, outcome-driven assessment methodology
- ☑ Clear translation of technical findings into operational impact
- ☑ Use of MaestroIQ to unify data, model environments, and support planning

What the ConnX Infrastructure Intelligence Assessment Delivers

A structured, data-driven assessment of infrastructure systems and operations—designed to create a unified view, identify risks, and enable a clear path to modernization.

THIS ASSESSMENT HELPS ORGANIZATIONS ANSWER:

- What systems, assets, and data sources exist—and how are they connected across our infrastructure?
- Where are the gaps, risks, and operational dependencies impacting safety and performance?
- How will disruptions, demand changes, or emergencies affect operations?
- What must be addressed to modernize infrastructure without disruption?

www.connxai.com +1-609-438-6100 connxsales@connxai.com

Scope of the Assessment

Infrastructure & Systems Environment

- Inventory of IT, OT, IoT, and communications systems
- Identification of assets, sensors, networks, and platforms
- Mapping of system ownership and operational roles

Data Flows & Connectivity

- Analysis of how systems exchange data across environments
- Identification of integration points and data silos
- Evaluation of visibility gaps across systems and operations

Operational & Safety Dependencies

- Mapping of infrastructure systems to operational workflows
- Identification of safety and mission-critical dependencies
- Impact analysis of system failures or disruptions

Scenario Modeling & Risk Analysis

- Evaluation of potential disruptions, emergencies, and peak demand scenarios
- Identification of vulnerabilities and operational blind spots
- Assessment of response readiness and coordination gaps

THE OUTCOME

- **Clear visibility into infrastructure systems and dependencies**
- **Reduced operational and safety risk**
- **Improved coordination across systems and organizations**
- **Confidence to plan and respond proactively**
- **A defensible, data-driven modernization roadmap**
- **Foundation for intelligent, connected infrastructure operations**

Deliverables

Executive Summary
Clear, concise overview of infrastructure visibility, key risks, operational impacts, and prioritized modernization opportunities.

Infrastructure & Asset Inventory
Comprehensive, validated inventory of systems, assets, data sources, and environments across IT, OT, IoT, and communications.

System Connectivity & Data Flow Mapping
Detailed mapping of how systems interact, how data flows across environments, and where gaps or silos exist.

Risk & Dependency Analysis
Identification of operational, safety, and infrastructure dependencies that create exposure, vulnerabilities, or performance risk.

Scenario Modeling & Impact Analysis
Evaluation of disruptions, emergencies, and peak demand scenarios to understand system behavior and operational impact.

Operational Intelligence Insights
Analysis of current-state performance, visibility gaps, and opportunities to improve decision-making and coordination.

Modernization Roadmap
Prioritized, phased plan outlining recommended improvements, sequencing, and next steps aligned to operational goals.

Infrastructure Intelligence Dashboard (MaestroIQ)
Centralized system of record providing unified visibility, modeling, and ongoing tracking of infrastructure data and assessment findings

The ConnX Assessment & Audit Process

Discovery & Intake

- Stakeholder interviews across operations, IT, OT, and planning teams
- Review of infrastructure documentation, systems, and architecture
- Identification of operational priorities, risks, and continuity requirements

Environment Mapping & Analysis

- Inventory and mapping of systems, assets, and data sources
- Analysis of connectivity, data flows, and integration points
- Identification of fragmentation, blind spots, and visibility gaps

Risk & Dependency Assessment

- Identification of operational, safety, and infrastructure dependencies
- Evaluation of vulnerabilities and single points of failure
- Assessment of risk exposure across systems and environments

Modeling & Scenario Analysis

- Development of infrastructure models and digital representations
- Simulation of disruptions, emergencies, and peak demand scenarios
- Evaluation of system behavior and operational impact

Actionable Infrastructure Roadmap

- Clear, prioritized recommendations aligned to operational goals
- Phased modernization strategy tailored to your environment
- Guidance for improving visibility, coordination, and resilience

Findings & Insights

- Analysis of infrastructure performance, visibility, and readiness
- Identification of constraints impacting operations, safety, and coordination
- Prioritization of issues based on operational and strategic impact

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