



Securing the Digital Backbone of North American Trade

Cyber Resilience for Canada–Mexico Industrial and Supply Chain Continuity

Enabled by CriticalMatrix

Mexico-Canada Industrial Context

Key Export Data and Regional Drivers

Annual Exports (Mexico to Canada)

~USD 20B

Mexico's Total Exports to Canada

~3–3.5%

Mexico's Exports to the United States

~80%

(USMCA Integration)

Automotive in Mexico-Canada Exports

45–50%

Machinery & Electronics in Mexico-Canada Exports

>25%

Nuevo León (Monterrey)

Highly industrialized (automotive, steel, heavy manufacturing). Major contributor to Canada-bound automotive and machinery exports. Corporate headquarters and engineering concentration.

Chihuahua

~\$75B+ total global exports (leading state). Strong aerospace and advanced manufacturing clusters. Direct integration into North American OEM and supplier networks.

Coahuila

Significant US border presence & high logistics throughput. 18.4% of economic activity tied to vehicle/equipment manufacturing. Key automotive production corridor for North American supply chains.

The National Risk Landscape

Industrial scale creates industrial exposure.

- **Aerospace**

Key concerns include IP theft, engineering network exposure, and supply chain trust.

- **Automotive**

Risks involve ransomware impact, cyber maturity gaps in Tier suppliers, and OT segmentation issues.

- **Manufacturing**

Challenges arise from IT–OT convergence, cloud adoption exposure, and identity sprawl.

- **Healthcare**

Vulnerabilities include medical devices, patient data exposure, and connected facility risks.

Downtime equals export delay. Data breach equals reputational and investor impact. Identity compromise equals operational paralysis.

Where CriticalMatrix Operates

We secure the seam between IT, OT, Identity, and Detection.

Our Three Lanes of Operation:



Advisory

Industrial cyber baseline exposure
mapping risk quantification



Build

Identity resilience, multi-cloud and on
premise architecture, Microsoft
Optimization, OT visibility
architecture, Detection activation,
Cost Optimization



Operate

Continuous monitoring oversight
Identity threat readiness exposure
reduction program

We do not sell software. We design operational resilience.

Regional Focus



Leveraging strategic locations and industrial strengths for aerospace manufacturing and export.

Cross-Border Export Dependency



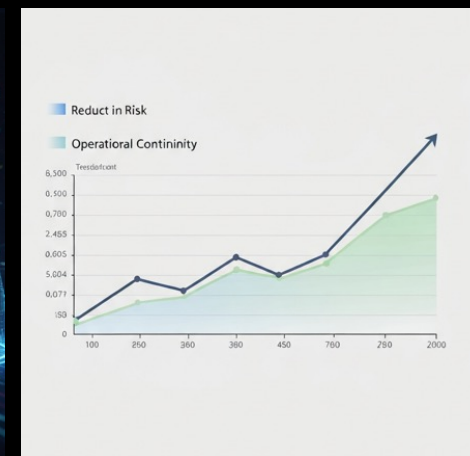
Ensuring the continuity and efficiency of supply chains for international markets.

CriticalMatrix Partner Ecosystem



A suite of security solutions
designed for a resilient and
protected digital infrastructure.

Outcome



Minimizing cyber risks and ensuring uninterrupted business operations.

Automotive & Mobility Landscape

Key Regions, Strengths, and CriticalMatrix Solutions



- **Key Regions**

Coahuila (Vehicle Manufacturing), Nuevo León (Industrial Strength), and National (Vehicle Export Leadership) are pivotal areas.

- **Modern Automotive Landscape**

Characterized by connected robotics and supply chain interdependency.

- **CriticalMatrix Delivers**

Provides OT Asset Visibility in 30 Days, Identity Privilege Reduction, DNS-Level Lateral Movement Containment, and Measurable MTTR Improvement.

CriticalMatrix ensures Production Continuity, Supplier Trust, and Reduced Shutdown Risk, safeguarding the automotive ecosystem.

Advanced Manufacturing & Heavy Industry

Regional Strengths and Modernization Imperatives

- **Regional Strengths**
Key manufacturing hubs and specializations across the region.
- **Nuevo León**
Steel & Heavy Manufacturing Hub
- **Coahuila**
Metalworking Excellence (8.6% of sector)
- **Chihuahua**
Leading Electronics Clusters
- **Manufacturing Modernization Imperatives**
Critical areas for enhancing manufacturing operations and security.
- **Converged IT/OT Protection**
Integrating information technology and operational technology security.
- **Secure Cloud Migration**
Transitioning operations to secure cloud environments.
- **Identity Resilience Testing**
Ensuring robust identity and access management.
- **Supplier Cyber Assurance**
Verifying the cybersecurity posture of supply chain partners.

Achieved outcomes include audit-ready operations, reduced risk exposure, and improved investor confidence.

Healthcare & Medical Ecosystem

Key Considerations and CriticalMatrix Solutions



Mexico City Healthcare Concentration

A significant hub for healthcare services and innovation in the region.



Medical Manufacturing Clusters

Specialized regions focused on the production of medical devices and supplies.



Cross-Border Compliance Expectations

Navigating the regulatory landscape for international trade and operations.



CriticalMatrix Delivers

Device Visibility, Identity Segmentation, Continuous Monitoring, and Zero Trust Containment.

CriticalMatrix empowers patient safety, facility uptime, and cross-border confidence; featuring reference customers relatable with Medtronic, BD, Johnson & Johnson, and 3M.

Solution Architecture

Key Technology Partners and CriticalMatrix Components



Identity Resilience

Partner: Semperis



OT / Asset Visibility

Partner: Armis



24/7 Detection

Partner: eSentire



Zero Trust DNS Containment

Partner: ADAMnetworks



CriticalMatrix - Architecture

Ensuring robust system design.



CriticalMatrix - Governance

Establishing clear rules and oversight.



CriticalMatrix - Integration

Seamlessly connecting systems.



CriticalMatrix - Executive
Reporting

Providing clear, concise summaries for
leadership.

Tools do not deliver outcomes. Operating models do.

Alignment With Mexico's Bilateral Vision

Economic Framework and Strategic Positioning

- **Canada–Mexico–US Integration**
Fostering seamless economic ties across North America.
- **Nearshoring Expansion**
Capitalizing on opportunities to leverage local and hybrid Canada talent.
- **Export Velocity**
Accelerating the speed and efficiency of international trade.
- **Investor Due Diligence**
Streamlining the process for foreign investment evaluation.
- **Supply Chain Transparency**
Enhancing visibility and traceability within supply chains.
- **Foreign Direct Investment**
Securing industrial ecosystems to attract and facilitate FDI.
- **Procurement Approvals**
Accelerating the process for securing necessary approvals.
- **Cross-Border Contracts**
Facilitating smoother execution of international agreements.
- **Insurance Confidence**
Building trust and security through reliable insurance solutions.

CriticalMatrix strengthens the foundation for secure industrial ecosystems, accelerating investment, procurement, contracts, and insurance confidence.

Why CriticalMatrix



- **CISO-led Advisory**
Leveraging the expertise of Chief Information Security Officers for strategic guidance.
- **North American Cross-Border Understanding**
Expertise in navigating the complexities of business across the US and Canada.
- **Deep Microsoft Ecosystem Expertise**
In-depth knowledge and experience with Microsoft technologies and platforms.
- **Identity and OT Specialization**
Focused expertise in identity management and Operational Technology security.
- **Proven Partner Integration Model**
A demonstrated approach to seamlessly integrating with partners.

We operate where operational risk meets economic ambition.

Executive Commitment

A focused, 90-day initiative to demonstrate impactful change.



Scope

Select one facility, industrial zone, or strategic program.



Timeline

Achieve measurable results within 90 days.



Outcomes

Quantify risk reduction and document tangible improvements.



Reporting

Provide executive-level updates on progress and outcomes.