

INTRODUCTION TO THE CRITICAL MANUFACTURING SECTOR RISK MANAGEMENT AGENCY

The Critical Manufacturing Sector comprises manufacturing that is crucial to the economic prosperity and continuity of the United States. Manufacturers in the Sector process raw materials and primary metals; produce engines, turbines, and power transmission equipment; produce electrical equipment and components; and manufacture cars, trucks, commercial ships, aircraft, rail cars, and their supporting components. Products made by these manufacturing industries are essential to many other critical infrastructure sectors, and a failure or disruption in the Critical Manufacturing Sector could result in cascading disruptions to other critical infrastructure sectors in multiple regions. The Cybersecurity and Infrastructure Security Agency (CISA), which serves as the Critical Manufacturing Sector Risk Management Agency (SRMA), and sector partners collaboratively develop guidance, resources, and training that support the security and resilience of our Nation's prominent manufacturers.

CRITICAL MANUFACTURING SECTOR COLLABORATION, RESOURCES, AND TRAINING

CISA offers many resources to help owners and operators manage risks, improve security, and aid the implementation and execution of protective and response measures across the Critical Manufacturing Sector. This fact sheet lists a sampling of sector collaboration mechanisms, resources, and training materials. Unless otherwise noted, additional information can be found on the CISA website at <u>cisa.gov/critical-manufacturing-sector</u>.

Collaboration

Critical Manufacturing Government Coordinating Council (GCC), Sector Coordinating Council (SCC), and Working Groups convene regularly: share information; and develop tools, guidelines, and products. These groups work closely to plan, implement, and execute sectorwide resilience and security programs within the Critical Manufacturing Sector.

Critical Manufacturing Road Show

annually showcases federal agency activities, promotes information sharing, and supports partnership development among Critical Manufacturing Sector stakeholders.

Regional Security Roundtables

collaborate with private sector owners and operators as well as state, local, and other government partners to facilitate discussion, information sharing, and networking among stakeholders.

Critical Manufacturing Security

Conference provides an opportunity annually to collaborate with sector owners and operators on security and resilience programs for physical and cyber threats.

Resources

Critical Manufacturing Sector Cybersecurity Framework Implementation Guidance provides a

Common language that Critical Manufacturing Sector organizations can use to assess and manage their cybersecurity risks, and uses the National Institute of Standards and Technology (NIST) voluntary Framework for Improving Critical Infrastructure Cybersecurity.

Department of Homeland Security (DHS)-Sponsored Private Sector Security Clearance Program allows critical infrastructure owners and operators to apply for a secret-level security clearance and share classified information relevant to the security and resilience of the Nation's critical infrastructure.

The Critical Manufacturing Security

Guide consolidates effective industry security practices into a framework for owners and operators to implement security activities and measures that promote the protection of personnel, public health, and public safety.



Business Continuity Planning Suite helps businesses create, improve, or update their business continuity plans with scalable, easy-to-use software. Learn more at <u>ready.gov/business-continuityplanning-suite</u>. DEFEND TODAY

Active Shooter Preparedness Materials include a workshop series, online training, educational videos, and "How to Respond" resource materials, such as reference posters, guides, and cards. Learn more at cisa.gov/active-shooter-preparedness.

Online Training Courses on active shooter preparedness, insider threat, surveillance detection, and more are self-paced and available at no-cost.

Counter-Improvised Explosive Device Training and Awareness course options include bombing prevention workshops, soft target awareness, and surveillance detection.

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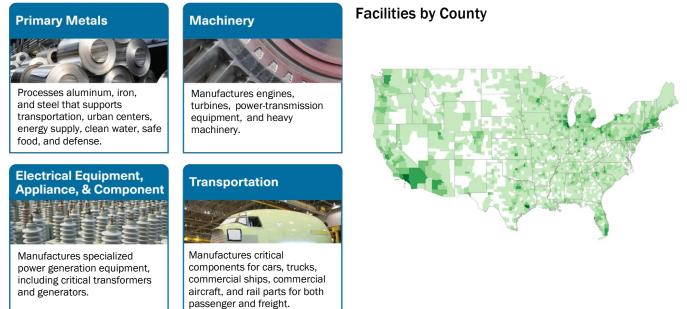
ebook.com/CISA

Location of U.S. Critical Manufacturing

SECTOR PROFILE

Critical Manufacturing Sector assets are privately owned and operated and include manufacturing facilities, processing and distribution facilities, sales offices, corporate headquarters, and product storage. The Critical Manufacturing Sector processes raw materials and produces highly specialized parts and equipment that are essential to primary operations in several U.S. industries—particularly transportation, defense, electricity, and major construction. Central to the Sector's operations is the global transport of raw materials and finished products along large supply chains. A major failure or disruption in the Sector could result in significant national economic impact and lengthy disruptions that cascade across multiple critical infrastructure sectors or regions.

Sector Components



Map developed using data from: U.S. Census Bureau, "Economic Census: Industry Snapshots 2012," NAICS codes 331, 333, 335, 336, last revised February 28, 2012, <u>https://www.census.gov/programs-surveys/economic-census.html</u>.

CRITICAL INFRASTRUCTURE SECURITY CONSIDERATIONS

- Natural Disasters and Extreme Weather: The Sector's assets, suppliers, and customers are dispersed globally, making operations susceptible to natural disasters across the globe that can trigger cascading disruptions in affected supply chains.
- **Supply Chain Disruptions:** Efficient supply chains have resulted in a "just-in-time" delivery model that leaves companies with very limited inventories, making some manufacturers highly sensitive to substantial and cascading economic consequences.
- **Geopolitical and Social Implications:** The Sector's global network requires manufacturers to closely monitor geopolitical unrest, global attitudes toward the United States, radicalism, economic conditions, and other risk factors.
- **Deliberate Attacks and Terrorism:** The economic, strategic, and iconic value of the Sector may make it an attractive target for terrorists who aim to destroy facilities or interfere with manufacturing operations.
- **Cyberattacks:** Cyber intruders may aim to seize control of the systems to disrupt processes, corrupt information sent to facility operators, damage equipment, or steal proprietary information. Intellectual property theft through cyberattacks can threaten competitiveness, affect business reputation, and subject customers to risk from counterfeit products.

FOR MORE INFORMATION ON THE CRITICAL MANUFACTURING SECTOR

Contact the Critical Manufacturing Sector Management Team at <u>CriticalManufacturingSector@cisa.dhs.gov</u> or learn more at <u>cisa.gov/critical-manufacturing-sector</u>. For additional information about the Critical Manufacturing Sector, view the Critical Manufacturing Sector-Specific Plan at <u>cisa.gov/publication/nipp-ssp-critical-manufacturing-2015</u>.

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