Connecticut’s Support for Advanced Manufacturing

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The Importance of Manufacturing for Connecticut

Connecticut’s Manufacturing Landscape

Connecticut’s Commitment to Manufacturing

Case Study: CT Resources Available to Manufacturers
The Importance of Manufacturing for CT

- CT Manufacturers produce ~$27 billion worth of product and export worldwide
- ~160,000 people directly employed by CT manufacturers
- Each manufacturing job supports 3 - 5 others
- Manufacturing wages are significantly above average
- Manufacturing not only provides good jobs, but it also provides great career opportunities
Connecticut Manufacturing Landscape

- CT has been at the forefront of precision manufacturing in the United States since the dawn of the Industrial Revolution in North America (200+ years)

- Strong History of Innovation (products & processes)

- CT Manufacturers very strong in High Complexity Products
  • World leader in jet engines, helicopters, submarines

- Also: Medical devices, advanced production systems, engineered components, automotive

- CT competes on based on the skills, knowledge and abilities of its workforce
Connecticut Manufacturing Landscape

- Approx. 160,000 people employed in Manufacturing
- 4,000+ Manufacturers in the State
  - ~60,000 employed by 25 Largest Manufacturers
  - Remaining ~100,000 employed by the other 4,000 Manufacturers
    Average ~ 25 Employees
- The health of Small/Mid-sized Manufacturers is key to the health of the manufacturing ecosystem
Connecticut Manufacturing Landscape

- Emerging areas include:
  - Offshore wind power
  - Batteries – automotive and storage
  - Fuel Cells
  - Biofuels
  - Electronic Vehicle charging stations
  - Drones
Connecticut Commitment to Manufacturing
(Selected Examples)

• Nine Advanced Manufacturing Training Centers Cover the State
• UConn Tech Park – a high tech, state-of-the-art applied research facility that promotes expansion of industry partnerships and R&D
• CT Manufacturing Innovation Fund - $80 million of catalyst capital supporting growth, innovation and talent development
• Creation of the Connecticut Manufacturers’ Collaborative
• Creation and staffing of the Chief Manufacturing Officer Position
• Creation of the Governors Workforce Council and the resultant Workforce Strategic Plan
• Creation and Staffing of the Office of Workforce Strategy
Connecticut Commitment to Manufacturing
(Advanced Manufacturing Centers)

1 – Asnuntuck
2 – Housatonic
3 – Naugatuck Valley
4 – Quinebaug Valley
5 – Manchester
6 – Middlesex
7 – Northwestern CT
8 – Three Rivers
9 - Tunxis
Governor’s Workforce Council Strategic Plan Overview

**Business Leadership**
- Regional Sector Partnerships
- Credential Registry Systems
- Skills-Based Hiring & Training Systems
- Retain College Graduates
- Workforce Development Board Alignment

**Career & Education Building**
- Career Pathways & Accelerating Postsecondary Access
- Sector-based Training
- Work-Based Learning
- Academic & Career Advising
- Improving Teacher & Student Preparedness
- Adult Education

**Equity & Access**
- Expand Capacity of Child Care System
- Reduce Transportation Barriers
- Expand Access to Behavioral Health Services
- Reduce the Adverse Effects of Benefits Cliffs
- Cross Barrier Solutions

**Data & Accountability**
- Online Workforce Development Services
- Data & Performance Management Tools
- Integrated Data System

**Workforce Equity Committee**
Focused on equity and access for Underserved & Special Populations
Connecticut Commitment to Manufacturing

CT Manufacturing Innovation Fund
(As of June 30, 2020)

- Assisted >2,000 CT Manufacturers
- Created/Retained >17,750 jobs
- Trained/Retrained > 24,500 CT workers
- Engaged > 17,500 students (across 167 towns/cities)
- Every $1 of MIF funding deployed matched by $1.70 from private/third parties
Case Study: State Resources Available to Support Manufacturers Growing Waterbury Clean Energy Company

- Needs Additional Production Space
- Needs Help Laying out New Facility
- Needs Growth Capital
- Needs Employees
- Needs Help Addressing Cybersecurity
- Wants to get Certified to Sell to the State
- Employee Training Needs
Case Study: State Resources Available to Support Manufacturers Growing Waterbury Company

- Need Additional Production Space
  • AdvanceCT engaged and identified 30 locations that met the company’s specifications including size, location and layout

- Need Help Laying out New Facility
  • CONNSTEP was engaged to help optimize facility layout

- Need Growth Capital
  • Engaged CT Innovations: $5mm Working Capital Facility Proposed
  • Engaged CT Small Business Development Center
Case Study: State Resources Available to Support Manufacturers Growing Waterbury Company

- **Need Employees**
  - Introduced Company to the Rev-Up program: Funding Available to Underwrite Wages when hiring previously laid-off workers
  - Introduced the Company to NRWIB: Pool of Available Workers for Assembly Positions
  - Introduced the Company to Regional Manufacturing Organization: Company joined and now plugging into employment network

- **Need Help Addressing Cybersecurity**
  - Introduced Company to CONNSTEP – a leader in New England in helping manufacturers identify and address gaps in cybersecurity

- **Want to get Certified to Sell to the State**
  - Introduce the company to senior leaders in CT DEEP and then the appropriate manager at CT DAS to get certified to participate in State bidding process
Case Study: State Resources Available to Support Manufacturers Growing Waterbury Company

- Employee Training Needs
  - Introduced Company to CT DOL Manager administering the IWT Program
  - Will introduce the Company to the Advance Manufacturing training coordinator at NVCC when they are ready
Connecticut

Leading the way in support for Advanced Manufacturing