

# Connecticut's Support for Advanced Manufacturing

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# Agenda

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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

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- 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

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- 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

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- 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

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- Emerging areas include:
  - Offshore wind power
  - Batteries – automotive and storage
  - Fuel Cells
  - Biofuels
  - Electronic Vehicle charging stations
  - Drones

# Connecticut Commitment to Manufacturing

(Selected Examples)

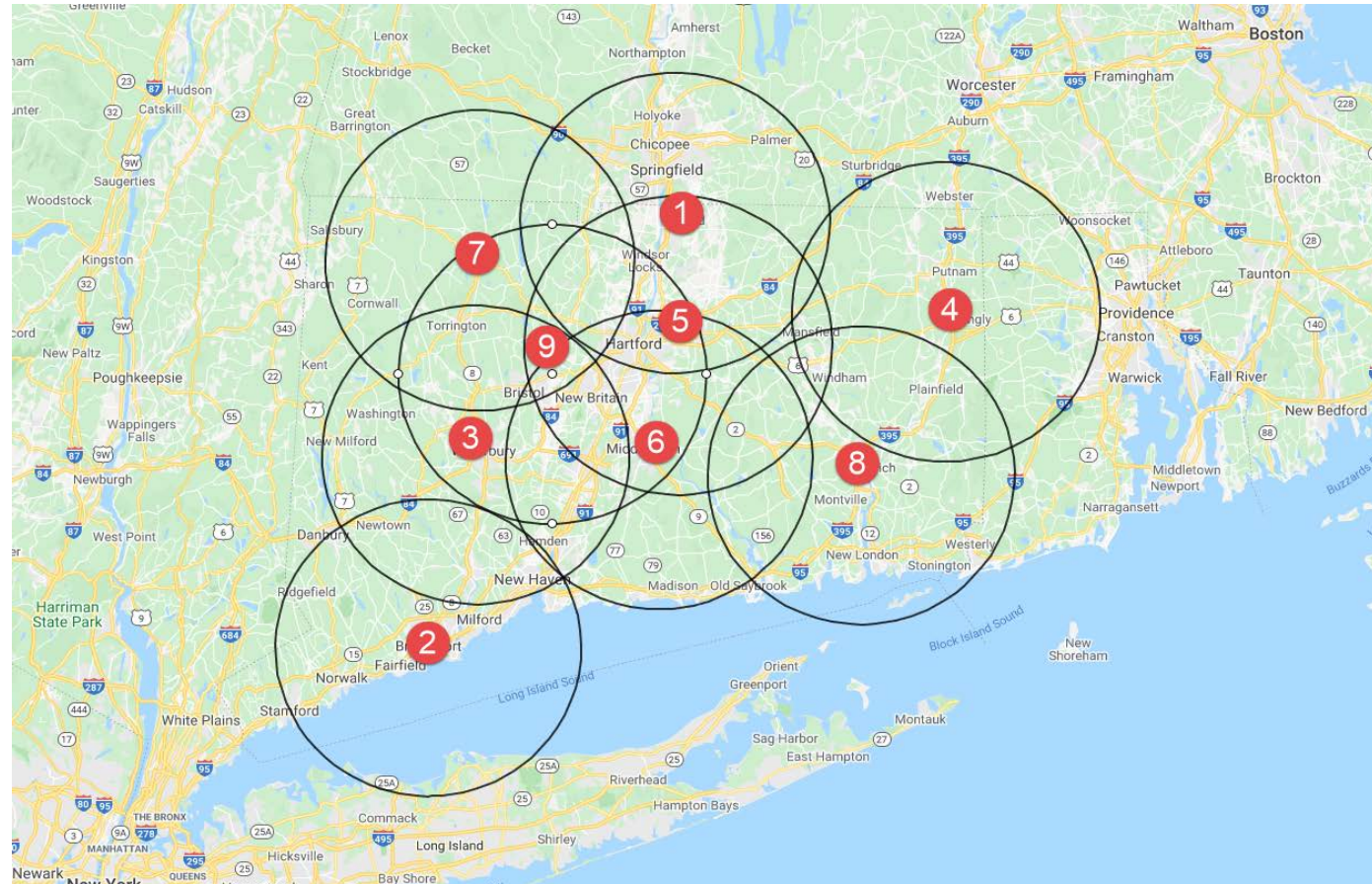
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- Nine Advanced Manufacturing Training Centers Cover the State
- UConn Tech Park – a high tech, state-of-the-art applied research facility that promotes expansion of industry partnerships and R&D
- CT Manufacturing Innovation Fund - \$80 million of 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

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## 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

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- 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

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- 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

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- 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

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- 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

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Leading the way in support for Advanced  
Manufacturing