Manufacturing Technology Working Group

Substitute Senate Bill No. 1021
Special Act No 21-24

Meeting 10
January 5, 2022

Agenda

I. Welcome

II. Announcements / Roundtable
   - Review schedule for i4.0 Provider features

III. Provider Spotlights
   - Central Connecticut State University - Dr. Zulma Toro

IV. What We've Accomplished

V. Where We're Going

VI. Adjourn

🗓 Next Meeting: Wed, Jan 19 @ 11a
Cadence: bi-weekly

Service Provider Feature Schedule

Jan 19: Manufacturing Innovation Fund

Feb 2: Yale University

Feb 16: Connecticut Manufacturing Collaborative

Mar 2: Central Connecticut Chambers of Commerce

Look Back & Ahead

Aug '21

Launch MTWG

Surveyed i4.0 Provider and SMMs of Working Group.

Awareness to Others in Ecosystem:
- AMEP: Adv Mfg Employer Partnership
- CMC: CT Manufacturing Collaborative
- CCIC Engineering Deans
- SW Regional Sector Partnership

Sept-Q4

Workstreams

Value Stream Mapping
Outreach, Resources
Ecosystem Mapping '22

2022

Q1

Progress Report

NLT 3/15 - identify barriers to accomplish goals

Q2

Ecosystem

Comprehensive profiling; success stories; awareness of i4.0 resources

Q3

Strategic Plan

Due October 1

Deliverables

Compile comprehensive profiles, including mission statements, and lists of services, for all entities that receive state or federal funding for the purpose of researching, developing, training, marketing, consulting or deploying Industry 4.0 technology or associates services, directly to, or for the benefit of, manufacturing startups, small and mid-sized manufacturers or other businesses primarily engaged in manufacturing.

I4.0 Providers

Deliverables

Section 2

Conduct value-stream mapping and other analyses, as needed, to assess the flow of services from the entities identified. Such analyses shall include, but need not be limited to,

- identification of the extent to which such services complement, conflict with or duplicate each other,

- assessment of the relative impacts of such services on the manufacturers served,

- identification of gaps in services provided relative to the Industry 4.0 technology needs of manufacturers,

- identification of barriers and recommendations for achieving the goals of the working group described in subsection (b) of this section, and

- identification and assessment of participation levels in small business innovation research programs and small business technology transfer programs.

I4.0 Providers   Manufacturers

Workstreams

VSM: Value Stream Mapping

Map out current state value stream of provider network

Resources

Focus on SBIR / STTR; include other grant opportunities & resources

Outreach

Awareness of manufacturers to provider network

Ecosystem Mapping

Cataloging comprehensive profiles of providers (Deliverable 1)

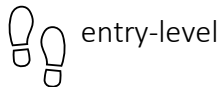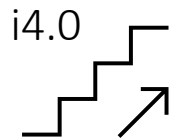Partner w/ Manufacturing Innovation Fund Initiative

Outreach

| Discuss | Develop | Decide | Deploy |

ENGAGE.

EDUCATE.

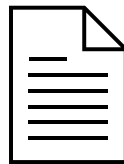**ENABLE.**

i4.0

entry-level

Structured process of education:

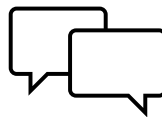CT case studies of how i4.0 tech is used to solve a problem

Who is doing this well? State or Entity

What does a business need? How to get there? Integration. Best practices / case studies.

1 pager

unified message

Communicate thru Manufacturing Associations

Outcome of MTWG is to create a strategic plan.

Equipping early-stage companies and entrepreneurs with resources, guidance and networks to accelerate growth and success.

Services Provided:

Researching
☑ Developing
☑ Training
Marketing
☑ Consulting
☑ Deploying

Cultivating a network of public-private partnerships and acting as a catalyst, supporting entrepreneurs from ideation and growth to exit.

SBIR Resources

- Generating awareness and combatting lack of awareness of SBIR/STTR opportunities in CT
- Humanizing the process of navigating the federal funding landscape
- Pre- and post-award services
- Success stories

Other Resources

- Access to talent
- University partnerships
- Alternate sources of financing