

Manufacturing Technology Working Group

The background of the slide is a dark blue gradient. It features a complex network of glowing blue lines and nodes. On the left side, a dense bundle of lines extends horizontally and then branches out towards the right. These lines connect to various nodes, some of which are larger and more prominent, creating a sense of depth and connectivity. The overall aesthetic is high-tech and digital.

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

Meeting 18
May 10, 2022



Agenda

I. Welcome

- Jackie Garofano, CTO, Connecticut Center for Advanced Technology
- Jeff Orszak, Director, Business Technology & Innovation, CONNSTEP

II. Brainstorming – Industry 4.0 Domains

III. Next Steps

IV. Adjourn

Goal:

1. Create a list of Domains, in the language manufacturers use, that enable Industry 4.0
2. Rank those Domains for their importance to Connecticut manufacturers

This is needed to help the Cataloging team segment the service providers.

Domains - Definition

- A domain is the advanced technology tool that allows increased adoption of cyber-physical systems

Primer Ideas for Domains

- Industrial Internet of Things - interconnected sensors, instruments, and other devices networked together with computers' industrial applications
- Cloud Computing – using data storage and computing resources that are remote from the user
- Automation - the use of equipment to automate systems or production processes
- Robotics/Cobots – the use of equipment that is automated, programmable and capable of movement on three or more axes
- Additive Manufacturing - a computer controlled process that creates three dimensional objects by depositing materials, usually in layers
- Augmented/Virtual Reality - simulates a product or environment, often with the user being able to interact and immerse themselves within it
- Simulation- the use of software to make computer models of manufacturing systems or products
- Big Data - extremely large data sets collected at every stage of production that can be used to analysis the manufacturing system

Next Steps

1. In-person Meetings

- June 22, 2022, 8:30am – 11:00am @UHartford
- July 20, 2022 , 8:30am – 11:00am
- Sep 14, 2022 , 8:30am – 11:00am

See you again on **Wed, May 25 @ 11:00 am**



Cadence: bi-weekly
Every Other Wednesday