

**NEW Manufacturing Alliance**  
**INDUSTRY 4.0 TASK FORCE – WEBEX MEETING MINUTES**  
**Thursday, February 24, 2022 – 1:30 to 2:30 PM**

**ATTENDEES:** Adonica Randall-Abaxent, Ann Franz-NEWMA, Barb Kneisler-Valley Packaging Industries, Barb LaMue-New North, Brian Schauf-Schreiber Foods, Bruce Wisnefske-Sargento, Christine Quackenboss-WIN Technology, Dan Bee-UW Stout, Debbie Thompson-NWTC, Greg VandenLangenberg-Amcor, Gerry Aase-St. Norbert College, Jill Thiede-NWTC, Mark Kralovec-PCMC, Matt Kanitz-M3 Insurance, Matthew Wolak-GSC, Michelle Schuler-Microsoft, Rick Roeske-PCMC, Ryan Lindeman-Crescent Electric Supply Co., Scott Beyer-Green Bay Packaging, Steve Straub-FVTC, Uli Unterriker-Optima Machinery Corp.

**WELCOME – BRIAN SCHAUF**

**DATA ANALYTICS COURSE & UPCOMING TRAINING**

49 people are enrolled in the 5<sup>th</sup> Data Analytics training cohort. Ann will be contacting the companies to gauge their interest in hosting another Data Analytics class.

Based on the Industry 4.0 Task Force survey results, the next most desired training is **project management**. Ann will contact the membership to gauge their interest in participating in this training if offered by the Alliance. LinkedIn Learning would likely be used again; however, members were asked to share any other project management training they have taken and would recommend.

- FVTC and NWTC offer courses, as well as the universities. Certifications are available.
- Many ERP systems now include planning modules that companies use for their project scheduling.
- Microsoft Office Project Management
- MS Project, SharpCloud, Project Management Body of Knowledge (PMBOK).
- Spreadsheets are often used to manage schedules, as they can be easier to navigate.

The online training would be completed individually by participants. Expert guest speakers would be featured virtually each week. Ideally, this learning will begin in April/May. **Members are encouraged to send Ann any additional project management training recommendations.**

**AR/VR PROJECT**

Several companies are working together to explore AR/VR technology for their service techs. Alternatives for having to travel to fix a machine are being studied. Microsoft, Rockwell Automation, and zSpace technologies are being used. Walker Forge put one of their very large machines into zSpace. Findings will be shared at the next Industry 4.0 Task Force meeting. NWTC reps will also share how zSpace is being used with their automotive training program.

**INDUSTRY 4.0 NEEDS, SKILLS & TALENT SURVEY EXECUTIVE SUMMARY**

**See the attached survey summary.** Members reviewed the study's results in an effort to determine recommendations they would like to offer the region. There will be a press release, in addition to an article in IOM, based on the study's findings and Industry 4.0 Task Force recommendations.

Key findings and recommendations:

- Continue cybersecurity education for all employees, as companies need to understand architecture basics. One small gateway can put an organization at risk. Industrial applications must be locked down.
- Top technology investments for the next three years are cybersecurity, automation-robotics, Smart IO/IIOT, and big data analytics. **Members will develop a graphic to show how they all work together.**
- Simulation is critical, understanding process flow. A good simulation package lets a company do a lot more 'what if' scenarios.
- Top Industry 4.0 skills required now and in the future are cybersecurity, automation and robotics, application development, and Cloud computing.
- Good plant modeling is needed to have good process monitoring. What are things running at, and what should they be running at? There needs to be good collaboration between the people collecting the data and those processing it.
- What are the internal challenges with reskilling? Businesses are moving from being reactionary to data driven.

- There needs to be a business case to show value of investment in Industry 4.0.
- Many companies understand that they need to invest in Industry 4.0, but do not understand it.
- There is interest in getting more data, but companies need to understand how it is going to use the data.
- The NEWMA Industry 4.0 Task Force needs to have more best practices shared with the members.
- There is interest in understanding what machine learning is and how a company can develop machine learning in their organization.
- Cybersecurity training needs to be embedded into all degree programs.
- How do we help companies move from data rich and information poor?

### **INDUSTRY 4.0 SURVEY FINDINGS & COLLEGE FACULTY EVENT**

It is vital that the Alliance continues to build partnerships with college faculty, as they connect talent. A statewide college faculty event is being planned for May 2022. The roundtable format will be similar to the Alliance's 2019 college faculty event and will further share the survey's educational findings. Brian Schauf will serve as emcee.

Ann will craft some messaging to support the study's results and focus areas. Members will finalize three roundtable questions, in addition to creating an agenda, at the April 28 Industry 4.0 Task Force meeting. Ann is also setting up presentations with K-12 superintendents and school board members to share the study's results.

### **2022 INDUSTRY 4.0 TASK FORCE ACTIVITIES**

- April 28 Industry 4.0 Task Force Meeting (In-person at NWTC's Green Bay Campus) - Focus on AR/VR.
- May Industry 4.0 Task Force Meeting - Focus on cybersecurity.
- One meeting in summer will be a trip to UW Milwaukee's Connected Systems Institute & MSOE, followed by an overnight stay in Chicago to visit MDX and Microsoft Technology Center the following day.

### **NEXT MEETING**

The next Industry 4.0 Task Force meeting is on April 28, 2022, in-person at NWTC's Green Bay campus, 1:30 to 3:00 p.m.

Agenda:

- ✓ Welcome & Updates
- ✓ AR/VR Technologies
- ✓ Industry 4.0 Survey Findings & College Faculty Event Planning
- ✓ Upcoming Alliance Events
- ✓ Next Meeting Date/Time/Agenda