

NEW Manufacturing Alliance
INDUSTRY 4.0 TASK FORCE – WEBEX MEETING MINUTES
Thursday, May 28, 2020 – 1:30 PM

ATTENDEES: Adonica Randall, Alex Gibson, Amy Kox, Ann Franz, Brad Champeau, Chris Laurin, Chris Lipski, Dale Turriff, Dan Fuhrmann, Dan Heiser, Debbie Thompson, Dennis Sommers, Greg Runnoe, Greg Vanden Langenberg, Jake Manches, James Corpus, Jason Roland, Jill Thiede, Joe Brittnacher, Joel Warren, Joshua Hoag, Mark Weber, Matt Merrick, Michelle Schuler, Nate Paul, Pam Orem-Mazur, Paul Link, Rodney Howard, Steve Meyer, Steve Straub, Stewart Larsen, Thad Perkins, Todd McLees, Tony Olson, Troy Linssen, Uli Unterriker, Zach Kaiser

WELCOME

Ann Franz welcomed attendees and facilitated the meeting.

COVID-19 UPDATE

COVID-19 Company's Response

- Organizations continue to work remotely, if possible. Travel, if allowed, is often limited.
- Frequent company meetings keep employees engaged, with safety a common topic.
- Stewart Larsen shared that Camera Corner Connecting Point now stocks and has on display a temperature check-in kiosk. The unit takes a quick temperature scan and provides a visual check of the person entering the building. Members are welcome to come in for a demonstration and learn more.

NEWMA COVID-19 ACTIVITIES

- Continue a weekly communication of webinar offerings and COVID resources updates.
- Identified PPE sources for Alliance members to purchase for their employees.
- Held a Manufacturers' Roundtable in partnership with the Greater Green Bay Chamber on April 30. Hosted 52 registered attendees.
- Surveyed members regarding their interest in various COVID-19 related topics. Top choices for each of the four categories:
 1. **Workforce Issues**
 - How to handle sensitive communications (if an employee is sick)
 - Motivating and managing employee stress
 2. **Sales & Marketing**
 - Lead generation in an era of COVID-19 (trade shows, outside sales, virtual sales calls) (*2nd Choice*)
 3. **Production**
 - Social distancing in the workplace (*3rd Choice*)
 4. **Management**
 - Crisis management planning and execution (*1st Choice – Acuity will present on this topic at the 6/10/2020 virtual full membership meeting.*)
- The Alliance was featured on [NBC 26 News](#), discussing companies that are hiring.
- Connecting manufacturers with grants for PPE start-ups.
- Created a new COVID-19 directory, featuring free full-page ads for members.
- Assisted the Brown County Health Department with reviewing its 'Health Guidance Directory for Manufacturers'.

CASE STUDY: ARIENS CO. PAINT INITIATIVE – JOE BRITTNACHER & CHRIS LAURIN

Problem Statements

- How do we reduce the downtime in assembly, as a result of paint?
- How do we improve quality and productivity of the paint team?
- What data do we need to guide our plan of attack?
- What data do we have?

See the attached PPT PDF to learn about their:

- Data Collection Process
- Process Improvement Phase
- Results Generated to Date
- Future State Opportunities

If used appropriately, the results are very powerful. Ariens Co. is getting a lot of good publicity, due to their implementation of this project. Joe is open to working with other companies who utilize paint and would like to streamline their process. **Contact Ann if you are interested in working on this cohort project.**

CASE STUDY: LEVERAGING SIMULATION MODELING FOR YOUR BUSINESS – ARIENS CO./JACOBS PARTNERSHIP

Due to data sensitivity, Ariens Co. asked that the presentation not be shared in the minutes. For questions, members can contact the presenters directly.

Thad Perkins Jacobs – Green Bay Operations Office: 920-338-5713 Mobile: 920-366-0020 Email: thad.perkins@jacobs.com	Brad Champeau Jacobs – Green Bay Operations Office: 920-347-2148 Mobile: 920-265-7590 Email: brad.champeau@jacobs.com
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MICHIGAN TECH PROJECT – MARK WEBER, EMT INTERNATIONAL

MTU contacted Paul Rauscher to identify possible Industry 4.0 collaborative projects. On 4/30/2020, a brainstorming session was held with MTU to categorize potential projects. The following four project areas were identified.

1. **Big Data/Analytics**
2. **Remote Monitoring**
3. **Cybersecurity**
4. **Customer/Field Service**

Big Data/Analytics

MTU could work with a select group of NEWMA members to identify a process within their operations that collects data comprised of multiple inputs and variables required to produce outputs or products. This could be a manufacturing or design process in which analyzing the data and predicting the critical decision points in advance of the output is not currently possible. How does my data help predict my production outcomes? How do I utilize my existing design and part data to predict or recommend part families to increase interchangeability of parts?

Remote Monitoring

MTU could work with a select group of NEWMA high-volume process manufacturers to develop a remote monitoring system which can collect, combine, and configure data from multiple control platforms into one central monitoring system, allowing for the combining of operations at the process, plant, and various facilities level. How do I create a dashboard that shows the flow of products through my paint and assembly areas? A visual tool, displayed on the shop floor, could allow operators and leadership to observe what is happening.

Cybersecurity

MTU could work with a select group of NEWMA low volume, discrete manufacturers to identify best solutions for protecting data systems and intellectual property for companies with smaller IT departments.

Customer/Field Service

MTU could work with a select group of NEWMA high-volume process manufacturers to develop easily adaptable AR operator training tools that utilize standard notepads, i.e. iPad. As an alternative, MTU could work with a select group of

NEWMA low-volume, discrete manufacturers to develop software that gathers OEM data and customer information. This could create pre and post-failure analysis for troubleshooting equipment in the field from remote locations, reducing travel time and cost.

Next Steps

Ann and Mark will follow-up with MTU to discuss the options and determine the next steps. Information shared will be used as the basis for a grant application. Some of the topic areas that are not going to be part of the grant could be further studied through focus group projects.

CERTIFICATIONS FOR DATA & BUSINESS ANALYTICS – MICHELLE SCHULER, MICROSOFT TECHSPARK

Due to COVID-19, unemployment will have a new talent pool looking for jobs; however, these individuals may not have the needed skills. COVID-19 opened virtual learning and working. This leads to the following questions.

- How will education evolve post-COVID?
- How do we get people thinking about new careers that lead them into continuous learning?
- How do we transition current employees, underemployed and unemployed individuals? Bigger cities offer boot camps that are not offered in this region.
- Regionally, how do we feel about quick skilling?
- How do we tap into a talent pool that can be quickly skilled?
- How do we use industry certifications to create a talent pool for our companies?
- How can we heighten interest and leverage a person's knowledge in other areas of a company to see if they can be successful?

Microsoft is putting a lot of thought into these questions. A lot of conversations are going on regarding talent and how we certify adults, while promoting a continuous learning atmosphere.

'Industry Certifications' is a broad topic. Over the next month, Michelle will have more specifics to share. **Members are asked to think about entry-level roles that could transition to other areas of a company.** This conversation will continue at the 7/23 Industry 4.0 meeting.

NEXT MEETING DATE/TIME/LOCATION

The next Industry 4.0 meeting will be on July 23, 2020, 1:30 to 3:00 p.m. Members are encouraged to contact Ann if they would like to share a case study at the meeting. Agenda:

- Michigan Tech Project
- Certifications for Data & Business Analytics – Michelle Schuler, Microsoft TechSpark
- Next Meeting Date/Time/Location/Agenda

VIRTUAL FULL MEMBERSHIP MEETING – Wednesday, June 10 – 8:30 to 10:30 AM – [REGISTER](#)