NEW Manufacturing Alliance
INDUSTRY 4.0 TASK FORCE – MICROSOFT TEAMS MEETING MINUTES
January 26, 2023 – 1:30 PM

ATTENDEES: Adonica Randall-Abaxent, **Ann Franz**-NEWMA, **Bill LaLuzerne**-AK Pizza Crust, **Chris Lipski**-Vantage/Abaxent, **Christine Quackenboss**-WIN Technology, **Dan Heiser**-SNC, **Debbie Thompson**-NWTC, **Jerry Benjamin**-Rehmann, **Jill Thiede**-NWTC, **John Katers**-UWGB, **Jon French**-mode40, **Karl Reischl**-NWTC, **Mark Kralovec**-PCMC, **Matt Kanitz**-M3 Insurance, **Mike Sandry-**Rockwell Automation, **Ryan Lindeman-**Crescent Electric, **Steve Joly**-ProAmpac, **Steve Meyer**-FVTC, **Steve Straub-**FVTC, **Tim Windingstad**-Hatco Corp.

RECAP: 2022 INDUSTRY 4.0 TASK FORCE INITIATIVES & PROGRAMS
- Reviewed the 2021 NEWMA Industry 4.0 study results.
- Offered the 5th & 6th Data Analytics course cohorts. There were 104 registrants.
- Created and offered the NEWMA Project Management training, based on 2021 NEWMA Industry 4.0 survey results. Four cohorts were offered, with almost 400 employees enrolled.
- AR/VR cohort model featured EMT International and CMD Corp., utilizing Microsoft and Rockwell Automation technologies. A follow-up report was presented to the Industry 4.0 Task Force.
- May 20 - Industry 4.0 Faculty Dialogue & Tours at Lambeau Field – The 93 participants represented 14 Wisconsin & Michigan colleges. Study findings and their impact on schools were discussed.
- August 9 & 10 - Tours at UW Milwaukee's CSI, Rockwell Automation (Milwaukee) and MxD (Chicago).
- Cybersecurity Presentations & Tour of UW Oshkosh's Cybersecurity Center
- November - Amcor Simulation Case Study

2023 INDUSTRY 4.0 TASK FORCE INITIATIVES & PROGRAMS
- February 14: AR/VR Virtual Seminar - **REGISTER**
- Late May Tours: MxD & Rockwell Automation (Milwaukee), Microsoft Innovation Lab (Chicago)
- Case Studies: Real-life Application of Industry 4.0 Initiatives
- Technology Educational Tours
- Potential for Ideadvance Challenge
- Fall: Update the Industry 4.0 survey questions. The survey will be shortened to increase the number of respondents.

Ideadvance – Center for Technology Commercialization invites Statewide innovation. They would like NEWMA companies to present 2-3 common industry 4.0 technology challenges their innovators/entrepreneurs can work to solve. Grant dollars are available for the planning and actual utilization phase. Technology members may have companies they collaborate with that have a common problem that could be solved.

Mike Sandry, of Rockwell Automation, has participated in a couple Ideadvance innovation studies. One study utilized predictive analytics analyzation to make slicing changes to a large block of cheese, based on its characteristics. This resulted in significant financial savings.

Contact Ann if you would like to present a case study, host a technology educational tour, learn more about Ideadvance, or have any other ideas for 2023 Industry 4.0 Task Force initiatives.

INDUSTRY 4.0 SIMPLIFIED – mode40
Presented by Jon French, Sales Executive & Continuous Improvement Lead
jon@mode40.com, Phone (269) 953-6534 | **See attached presentation.**

The benefits of Industry 4.0 are improved asset efficiency, improved quality, reduced cost, and improved safety and sustainability. **mode40** is a 'one stop shop' that assists customers through their industry 4.0 journey, helping them simplify and leverage technology for impact. Today's industry 4.0 involves 'Smart' technologies, cloud computing, big data, and networked machines/processes. Work smarter, not harder. Common myths are industry 4.0 is expensive, complex/confusing, and time consuming.

How do we capture data and deliver value from that data, making it understandable? Delivering information at the right time, right place, and to the right person is vital. Industry 4.0 is not always about robots.

Start by determining what it is you would like to achieve and the return on investment (ROI). That is how capital expenditures can get approved. Revenue generating lines are the most profitable. What technologies will be integrated? Start small and leverage information from current systems – PLCs, IT infrastructure, sensors. Gather data and turn it into information. Technology is a tool that can empower the frontline worker through production metrics, quality, training, and communication. How can I use data to impact the culture? Contextualizing data allows for KPI tracking.

Digital transformation involves generating data various ways, visualizing the data, and then automating processes back to the operators, supervisors, managers, and CEO. By turning data into information, pain points can be turned into profit. Instead of downsizing the workforce, repurpose employees. Jon presented a number of project ROIs, in addition to a list of mode40's services. **See attached presentation.**

UPCOMING ALLIANCE EVENTS
February 8   Lunch & Learn: Transformational Leadership, 12:00 to 1:00 PM
February 22   Lunch & Learn: Change Management, 12:00 to 1:00 PM
March 3   Winning with Wisconsin's Workforce Symposium, at FVTC, 8:00 to 9:30 AM
March 14   Quarterly Full Membership Meeting - Virtual, 8:30 to 10:00 AM
March 8-10   WTEA Conference – at Wisconsin Dells
March 21   You Can Make It Career Expo – at Greenville Middle School

NEXT MEETING
The next Industry 4.0 Task Force meeting is on **Tuesday, February 14, 9:30 to 11:00 a.m.** The virtual meeting/seminar is part of NWTC's Innovative Technology Series: Engaging the Workforce & Customers Through AR/VR. Please **register** if you plan to attend.