

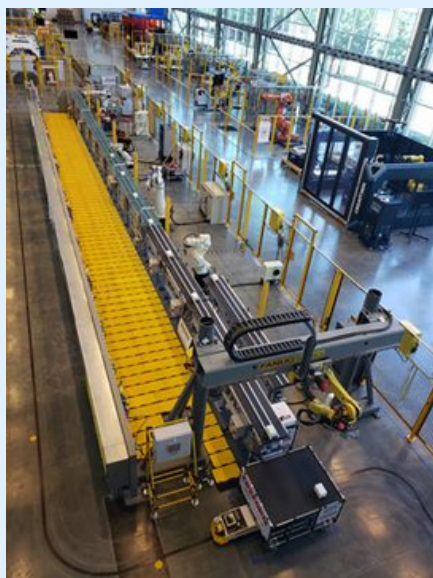


Unlocking Excellence: An Immersive Journey Through Lean Manufacturing and Industry 4.0

An ADAMC Success Story

The Workshop

The Alabama Defense Advanced Manufacturing Community (ADAMC) and Alabama Technology Network (ATN) with the help of the Alabama Robotics Technology Park (RTP), hosted a Lean and Industry 4.0 workshop. This event brought together professionals from various sectors of the manufacturing industry to explore key concepts in Lean Manufacturing through hands-on simulations. The workshop also provided an overview of Industry 4.0, featured insightful presentations, and included an exclusive tour of the YKTA facility, offering participants a comprehensive experience that bridged theory and real-world application.



Training in Industry 4.0 at RTP

RTP, an AIDT Training Center, is a state-of-the-art, three-building campus equipped with the latest robotics technology, dedicated to advancing the robotics industry. RTP offers specialized, no-cost training programs to develop a highly skilled robotics workforce, tailored to meet the needs of both employees and students. For more information on how these programs can benefit your organization, contact RTP at info@alabamartp.org.



“**The workshop provided an excellent overview of Lean principles, giving us the tools to bring real value to our company**”



Seeing Industry 4.0 in Action at YKTA

As part of the workshop, participants were able to tour YKTA, a tier-one supplier for Mazda Toyota Manufacturing (MTM) in Madison, AL, who stands as a model of industry excellence. Operating from a 750,000-square-foot facility, YKTA provides MTM with stamped metal chassis and body components. Awarded Emerging Manufacturer of the Year in 2022, YKTA demonstrates how Lean concepts and Industry 4.0 technologies can drive significant improvements in efficiency, agility, and innovation across operations.

The Value

Participants gained valuable insights into actionable changes they could implement within their facilities. Through the workshop, they learned how the lean production system can be used to continually improve their organization, enabling them to achieve customer satisfaction and operational objectives, and how Industry 4.0 technologies can support and even accelerate those same objectives. The event emphasized the significant benefits of utilizing Industry 4.0 technologies and methods to support the objectives of adopting lean practices, such as enhanced efficiency, reduced waste, and improved workforce productivity. Attendees left with a clear understanding of how to translate the workshop's lessons into measurable improvements, driving innovation and competitive advantage.

“**The insights shared are valuable across all industries, as Lean extends far beyond just manufacturing**”

Learn More about ADAMC at www.ADAMC.Tech