

UPCOMING  
WORKSHOP!

## UNLOCK GROWTH with Foundry 4.0 Assessment

Kick-start your Industry 4.0 assessment process for you and your team. This will empower you to harness Industry 4.0 technologies, positioning your business with cutting-edge advancements and driving improvement as well.

Drive strategic innovation or business growth.

Complimentary Access

Rest assured, your information is strictly confidential.

How to Participate  
Scan the QR Code or  
access the registration  
form.

### Start TODAY!

Questions? Email us:  
cbgi@uni.edu or  
foundry4.0@ncdmm.org



1

INPUT: DATA COLLECTION



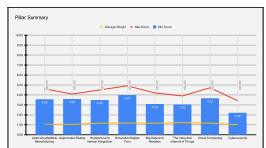
1a

1b



2

AUTOMATED ASSESSMENT



3

KEY PERFORMANCE INDICATORS (KPIs)



4

BUSINESS VALUE ACTION PLAN



**CENTER FOR BUSINESS GROWTH & INNOVATION**  
**I4.0 Improvement Potential Summary Report**

- Summary of Findings
- Key Opportunities
- Considerations
- Other Comments



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“Our partnership offers the nation's foundry industry and its supply chain a unique blend of applied research in Industry 4.0 technologies.

Combined with direct technical assistance, participating small-medium enterprises are now positioned to be more competitive, profitable, and resilient.”

Brian Schmidt, Program Manager, NCDMM

## Contact Us

Email: [foundry4.0@ncdmm.org](mailto:foundry4.0@ncdmm.org)

# FOUNDRY 4.0

Technologies revolutionizing  
the metal casting industry!

SHAPING  
THE FUTURE OF AN  
**INDUSTRY**

[FOUNDRY4.0@NCDMM.ORG](mailto:FOUNDRY4.0@NCDMM.ORG)

# WHY INDUSTRY 4.0?

CONNECTING INPUTS TO ASSESSMENTS  
TO KPIs TO **BUSINESS VALUE.**

## FOUNDRY 4.0

Technologies revolutionizing  
the metal casting industry!

Current Industry 4.0 technology assessments often lack vital information for businesses to identify their highest value areas for implementation. To achieve a worthwhile return on investment, collaborative and objective assessments connected to key performance indicators are essential. This project aims to address these assessment issues and enhance the value of Industry 4.0 implementations.



### INDUSTRY 4.0 TECHNOLOGIES: Multifaceted business value & benefits

- Lower Product Development Costs
- Diversify Revenue Sources
- High Performance Equipment
- Adequate Data Collection Methods
- Enhanced Efficiency & Risk Mitigation
- Real-time Decision Making
- Improved Customer Experience
- Sustainability & Environmental Benefits
- Predictive Maintenance
- Supply Chain Optimization
- Customization & Personalization
- Competitive Advantage & Talent Retention

### EXECUTIVE SUMMARY

- A unique set of **difficult business headwinds** exists today
- I4.0 **technology implementation** can ease these headwinds
- Assessment and strategic planning **is critical to selecting the highest value actions**
- The value of **many current assessments** is less than optimal
- Connecting I4.0 assessment to KPIs to Business Value provides **the highest overall return to a business**

### I4.0 KEY IMPACTED BUSINESS MEASURES

- Operating Efficiency
- Overall Equipment Effectiveness
- Product and Process Yield
- Capacity and Capacity Utilization
- Inventory \$\$s/turns
- Data Security
- Improved Customization
- Throughput Reduction
- Prototype Turnaround Time
- Improved Safety

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**Start  
TODAY!**



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Partners:



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