



TRACK:

## AUTOMATION & ROBOTICS

SERVICE:

## DATA INTEGRATION FOR CONTINUOUS IMPROVEMENT (CI)



### OPPORTUNITY

*Visualizing data to optimize operations*

### KEY PROJECT ACTIVITIES

- **Initial Assessment:** Assess operational performance 1-3 months after implementation
- **Identify Operational Adjustments:** Identify possible calibrations to enhance performance.
- **Develop Performance Dashboards:** Introduce data utilization options to allow for better monitoring of the process for CI
- **Data Integration:** Link data sources to a common database for holistic optimization
- **SCADA Systems Overview:** Evaluate the applicability and benefits to installed process and future automation projects

### KEY DELIVERABLES

- ✓ Performance dashboards (e.g. OEE)
- ✓ Continuous improvement review and action recommendations
- ✓ Operational cost savings calculation

TIMELINE:

**4-12**  
Weeks

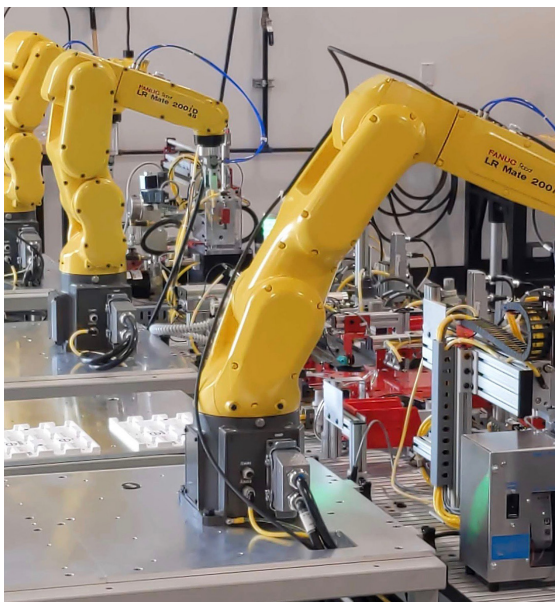
KEY PARTNERS:



SUCCESS STORIES:

*Robotic Welding Cell*

*Laser Cutter  
Performance Dashboard*



### CONTACT US

Innovation Park  
1400 E Angela Blvd.  
South Bend, Indiana  
46617

industrylabs@nd.edu  
[industrylabs.nd.edu](http://industrylabs.nd.edu)