

# IOWA'S MANUFACTURING 4.0 OPPORTUNITY

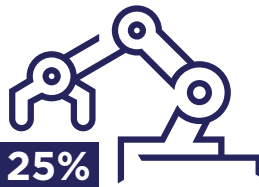


## A TECHNOLOGY REVOLUTION

Manufacturing, a critical industry sector for Iowa, is facing a technology revolution that emphasizes automation and smart technology. This fourth Industrial Revolution, known as Industry 4.0, includes the Internet of Things, additive manufacturing, advanced robotics, augmented reality and cybersecurity.

Digital technologies will transform how work is performed, including how products are designed, fabricated, used and serviced. Iowa's ability to compete globally will hinge on its manufacturers' successful transition to new operating models, especially for small- to medium-sized manufacturers who will face mounting pressure from the larger manufacturers they supply. The time is now to support Iowa's manufacturers in addressing these challenges.

DIGITALIZATION IS EXPECTED TO BOOST FACTORY PRODUCTIVITY BY **25%**



SOURCE: General Electric



## IOWA'S MANUFACTURING 4.0 PLAN

Iowa's Manufacturing 4.0 plan is a comprehensive strategy to take on the Industry 4.0 challenges of adopting technology, increasing productivity, competing for talent and ongoing globalization.

While the Manufacturing 4.0 plan is primarily focused on advancing technology adoption and utilization among Iowa's manufacturers, it further addresses enhancements in the broader manufacturing ecosystem, like cybersecurity concerns and supply chain optimization.

To learn more about the Manufacturing 4.0 plan visit: [iowaeda.com/reports](http://iowaeda.com/reports)



## FIVE STRATEGIC PRIORITIES

- *Manufacturing 4.0 Tech Adoption and Utilization*
- *Enabling Infrastructure for Digital Technologies*
- *Improving Supply Chain Linkages*
- *Accelerating Manufacturing Startups and Scale-Ups*
- *Ensuring an Effectively Trained Manufacturing 4.0 Workforce*



## IOWA ECONOMIC DEVELOPMENT AUTHORITY

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# \$30.1 BILLION

OR 17% OF IOWA'S GDP  
IS GENERATED BY  
MANUFACTURING



MANUFACTURING  
EMPLOYS **17%**  
OF IOWA'S  
PRIVATE SECTOR  
WORKFORCE

SOURCES: Bureau of Economic Analysis, Brookings Institution

EVERY COUNTY  
IN IOWA HAS BETWEEN  
**50% AND 61% OF JOBS  
WITH AUTOMATION  
POTENTIAL**

SOURCE: Ball State University, Center for Business and Economic Research



Photo courtesy of Pella Corporation

## LEGISLATION ENACTED

- Adapt Iowa's incentive structure, including matching grants deployed selectively by size of firm, need, technology maturity, and other factors.
- Allow for accelerated depreciation application process for capital investments in smart manufacturing technologies as part of qualifying, new High Quality Jobs program projects.

*The Advanced Manufacturing Work Group, a subgroup of the Iowa Economic Development Authority's (IEDA) Iowa Innovation Council, led the Manufacturing 4.0 initiative with support from TEconomy Partners, manufacturing leaders and IEDA.*

## LEARN MORE

To find out more about the vision for Iowa's manufacturing future or funding opportunities for businesses, visit the Iowa Manufacturing 4.0 website at [iowamfg.com](http://iowamfg.com) or email [info@iowamfg.com](mailto:info@iowamfg.com).

For more information, contact the Iowa Economic Development Authority (IEDA)

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