

RIT's Industry 4.0

Transition Assistance Program

Ready to help your company overcome barriers to greater efficiencies, through smart and digital manufacturing technologies

RIT's Industry 4.0* Transition Assistance Program

is designed to help companies in New York's Finger Lakes and Central regions leverage the most advanced manufacturing technologies to improve competitiveness and resilience in the wake of the COVID-19 pandemic.

Funded by the U.S. Economic Development Administration (EDA) and Empire State Development, the program focuses on application of the following digital manufacturing technologies: robotics; automation; industrial internet of things (IIoT); advanced analytics; augmented and virtual reality; and software systems for enterprise resource planning, supply chain management, manufacturing execution, and product life-cycle management.



Significant funding assistance is available

to cover the cost to work with you on your advanced manufacturing project.

What we offer:

ASSESSMENTS For companies that are interested in Industry 4.0 but don't know where to start

- An assessment of your organization is performed to understand digital maturity across your operations and supply chain, considering product life cycle, automation, connectivity, intelligence, talent readiness, strategy, and governance.
- Priorities are set based on your existing key performance indicators (KPIs), recent profit and loss data, and broader industry trends.
- A long-term, strategic roadmap is created for your company's digitalization journey.

TRAINING For companies that want to learn more about how Industry 4.0 can help them

- Customized training sessions are available for all stakeholders to understand, implement, scale, and sustain advanced manufacturing technologies.
- This interactive program is designed to develop visionary leadership, reduce resistance to technological change, and improve workforce competence.

PROJECTS For companies that already have a defined business need for advanced manufacturing technologies

- Proof of concept studies can help reduce implementation risk and verify potential benefits.
- When you are ready to implement, we will help you with selecting appropriate technologies and project planning in order to meet your business objectives.

To get started: Please [click here](#) to participate in our survey.

Why go digital?

No Digitalization

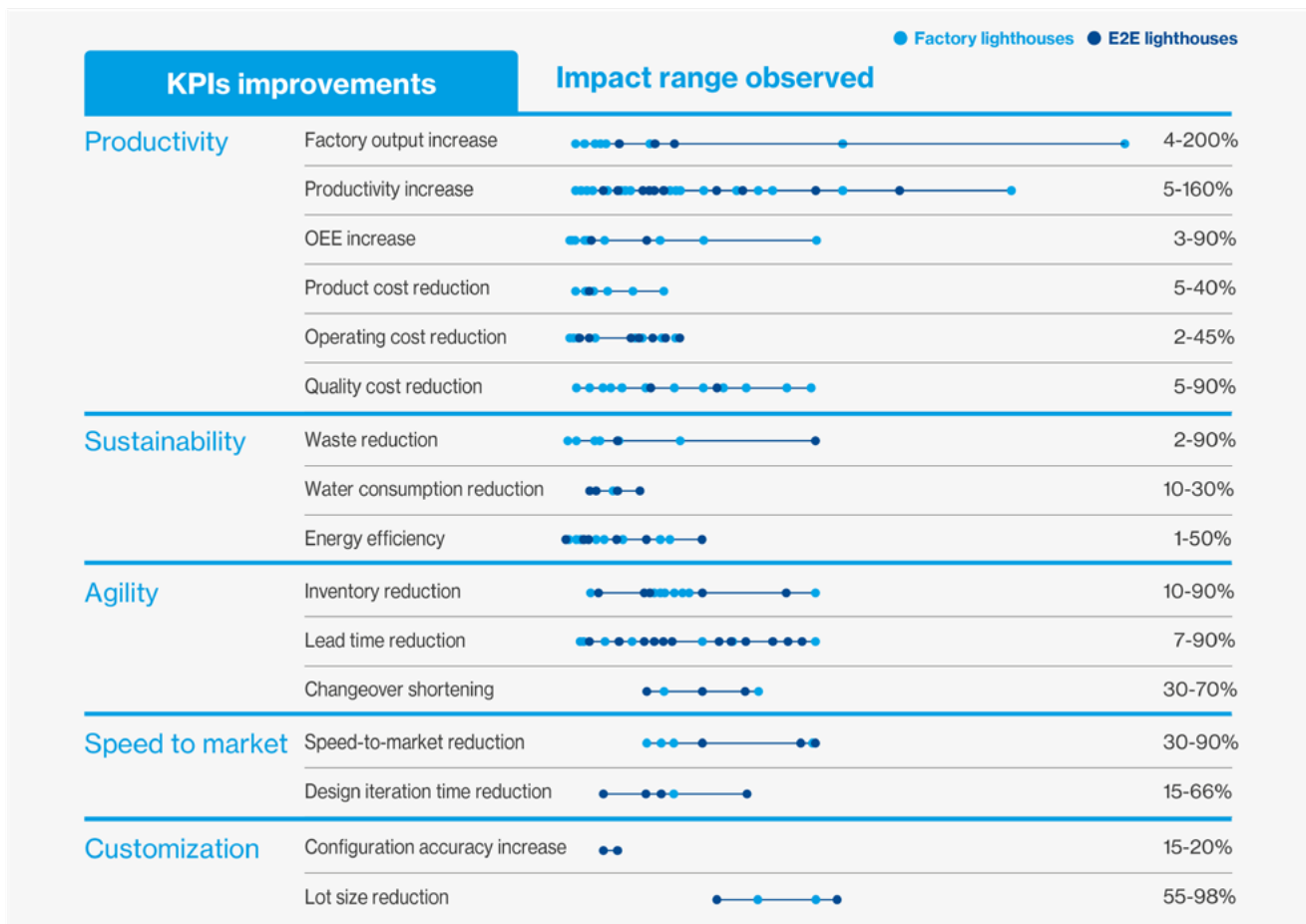
- ▶ Available information may be unreliable, uncertain, difficult to access, and delivered with a lag.
- ▶ Printed work instructions can be hard to interpret and often lead to operational errors.
- ▶ Tasks that are dull, dirty, and dangerous result in lower productivity and unnecessary costs.

With Digitalization

- ▶ Integrated sensing, networks, and software systems result in information that is reliable, easily and securely accessed, delivered in real time, and highly actionable.
- ▶ Workers can access digitized work instructions using augmented or virtual reality tools, which are easy to interpret and reduce cognitive load, thereby minimizing mistakes.
- ▶ Automation using robotics, cobots, and process automation helps eliminate dull, dirty, and dangerous jobs. This results in a more engaged workforce and lowers costs.

What will Industry 4.0 do for me?

Digitalization and advanced manufacturing technologies have been proven to be one of the most effective strategies for improving operational KPIs.



Source: https://www3.weforum.org/docs/WEF_GLN_2020_Four_Durable_Shifts_In_Manufacturing.pdf

*Industry 4.0 (I4.0) is a new vision for the extensive use of digital data and tools to streamline manufacturing processes and decision-making. The adoption of I4.0 technologies—like the Internet of Things (IoT), robotics, big data analytics, and machine learning—can help improve manufacturing quality, increase operational efficiencies, and reduce lead times, to name only a few benefits.

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RIT Golisano Institute for Sustainability
Center of Excellence in Advanced and Sustainable Manufacturing