# WELCOME
# Intel**Insight**

*Fact-Based News, Views and Updates on Intel's Impact in Licking County*

**APRIL 2023** | From the Welcome Intel Task Force | *Focused on a smooth landing for Intel and great opportunities for Licking County!*

# Perspective: Ohio and the Semiconductor Industry

*By Prashanth Subramanian, a Central Ohio resident with industry experience around different regions of Ohio as well as within the semiconductor industry.*

Ohio has been in the news recently and regularly for Intel's investment in the state, little known however is the state's proud tradition of excellence and innovation in the semiconductor industry, with several key companies leading the way. Swagelok, Silfex (Lam Research), and Parker Hannifin are among the Ohio-based companies that have made significant contributions to the industry, providing high-quality products and services to semiconductor manufacturers around the world.



*A rendering of the Intel processor factories in Licking County. Image provided by Intel.*

*From large corporations to small and medium-sized enterprises (SMEs), Ohio has a wide range of companies involved in the semiconductor industry.*

This diversity provides a unique perspective on the industry as a whole, and allows for collaboration and innovation across a broad spectrum of technologies. A non-exhaustive list of other companies, such as Bullen Ultrasonics, Tosoh America Inc., Kulite, have also established a strong presence in Ohio, leveraging the state's strengths in manufacturing, research, and innovation.

Ohio's universities have also played a crucial role in supporting the semiconductor industry, providing a

talented workforce and cutting-edge research facilities. The Ohio State University, University of Cincinnati, Denison University, University of Dayton, Case Western Reserve University, and the University of Akron are just a few examples of the many universities in the state that have strong programs in engineering, materials science, data analytics and other fields relevant to the semiconductor industry.

*Did you know Vinod Dham - the architect of Intel's famed Pentium microprocessor - was a graduate student at the University of Cincinnati?*

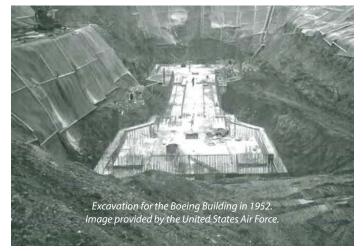These universities have partnered with semiconductor companies to develop

new technologies and train the next generation of engineers and scientists.

Despite the challenges facing the semiconductor industry, such as the shortage of skilled workers and the need to adapt to changing market conditions, Ohio's commitment to innovation and collaboration across different sectors provides a unique perspective on the industry. With strong support from universities and state and local governments, Ohio is well-positioned to be a leader in the semiconductor industry for years to come. By leveraging its strengths in manufacturing, research, and innovation, Ohio can continue to attract and support semiconductor companies that are driving the industry forward.

## Want to Stay in the Loop on Intel News and Progress?

Go to **WelcomeIntel.com/news** and sign up to receive our periodic newsletter updates.

# Licking County Has Done This Before



Excavation for the Boeing Building in 1952.
Image provided by the United States Air Force.



Excavation for the Intel Building in 2022.
Image provided by Andy Humphrey.

The Boeing Building in Heath started construction in 1952, including excavating 80 feet for a forged press floor that today is the lower levels for the Air Force Primary Standards Laboratory.

The future Intel Ohio One site in Jersey Township saw excavation 70 years later in 2022 to ready floors for the first two fabs on the site.

**Q:** **What advice do you have for high school students looking at careers in manufacturing similar to those at Intel?**

## Q&A

*The Welcome Intel Task Force has many of the same questions you do. We commit. We'll get authoritative answers just as rapidly as we can.*

**A:** John Berry, Ph.D., President of Central Ohio Technical College, stated: "I would recommend a high school student research careers in advanced manufacturing, what types of training or skillsets are needed for employment, and what type of work would they be doing within the company. **There are some great resources available, such as Ohio Means Jobs K-12 Student Center**, that offer great information on career exploration. I would encourage the student to **connect with their school counselor** to discuss taking an introductory course in engineering at the high school (if available), **visit the area career center** to learn about their manufacturing training programs or **explore enrolling in introductory engineering/manufacturing courses** at their local community college through the College Credit Plus program. Lastly, I would encourage the student to **research local manufacturing companies** in their community to learn more about what they produce. A company's website is a great place to learn about an organization, what types of jobs are available, and what they are looking for in their workforce. The student should consider contacting area companies to see if they could potentially tour the facility or engage in a job shadowing opportunity."

## Send us your questions:
The **Insight** will do its best to help. Please send your questions via: **WelcomeIntel.com/news**. We'll get authoritative answers as soon as we can be certain of the information. Please note we expect literally thousands of questions and information on some topics, such as schools and future growth plans, just aren't available yet.

## The Welcome Intel Task Force was formed by:



**SIGN UP TO RECEIVE *INSIGHT*!**

Go to **WelcomeIntel.com/news** and sign up to receive our periodic newsletter updates.