

# ECONOMY OF THE FUTURE

## Microelectronics

SEMICONDUCTOR FABRICATION

ADVANCED PACKAGING FACILITIES

INTEGRATED CIRCUIT DESIGN

As a centralized manufacturing hub with a strong supply chain and focus on talent and workforce development, Indiana has become a destination of choice for the semiconductor industry. Our state offers a robust tech ecosystem to support semiconductor manufacturing and development throughout all levels of the microelectronics value chain.

### INNOVATIVE MANUFACTURING

- ▶ Korea-based SK hynix selected Indiana for construction of a 90 acre advanced packaging fabrication and R&D facility for high-intensity and AI microelectronic products. Located at Purdue Research Park, this \$3.87 billion investment is the first of its kind in the U.S. and will fill a critical gap in the nation's advanced packaging supply chain while creating up to 800 jobs. Anticipated projects include work on advanced packaging and heterogeneous integration with Purdue's Birck Nanotechnology Center, and memory-centric solutions and architecture for the generative AI era, specifically system-level memory design and in/near-memory computing.
- ▶ R&D assets across academia and defense to source, develop, and commercialize next generation technologies

### SEMICONDUCTOR TALENT

- ▶ Top-ranked academic institutions such as Purdue and Ivy Tech offer unrivaled scale, semiconductor learning opportunities, and a commitment to tailoring curriculum to unique company needs • Purdue University is home to the nation's first comprehensive semiconductor degrees program.
- ▶ World-renowned Advanced Packaging (AP) expertise, highlighted by the Purdue CHIRP-the only SRC-funded research center dedicated to AP • Concentrated, highly-skilled manufacturing work force in semiconductor and adjacent industries
- ▶ World-renowned facilities and centers to advance R&D in semiconductors
- ▶ Affordable, enjoyable living to attract and keep even more talent
- ▶ A strong talent pool of engineering technician and management roles

**MEDIATEK**

**“ We believe strongly that being in Indiana means we'll have access to some of the best engineering talent in the world. Not just at Purdue, but West Lafayette is only four hours away from nearly a dozen of the top engineering schools in the country. In the post-pandemic world, top candidates tell us they want to be closer to home, near family, and they want to have a real house and great schools. Indiana offers all that and more.**

— DR. KOU-HUNG LAWRENCE LOH



# ECONOMY OF THE FUTURE

## Microelectronics

### CONNECTED LOCATION

- ▶ Crane NSWC and nearby WestGate Technology Park puts Indiana companies next door to U.S. Department of Defense's microelectronics center of expertise
- ▶ Access to renewable energy able to power large industrial installations
- ▶ Proximity to large OEM customers and other large semiconductor companies throughout the Midwest
- ▶ 1/3 of the U.S. population is within an 8 hour drive
- ▶ Quick access to top-rated airports and airbound distribution hubs
- ▶ Deepwater ports linking Indiana's factories to the global supply chain

### LEADING THE WAY IN SEMICONDUCTOR INVESTMENT AND SUPPORT

Since 2022, eight companies have announced plans to establish semiconductor plants in Indiana. Semiconductor companies can choose Indiana with confidence, knowing that our state and local governments will support their expansion. Our public and private institutions alike recognize the importance of onshoring and actively collaborate on semiconductor initiatives, including the Accelerating Microelectronics Production and Development (AMPD)

### THE AMPD INITIATIVE:

- ▶ Helps semiconductor companies navigate the local real estate market and find skilled talent, so they can expand their operations and start fabricating at speed.
- ▶ Facilitates partnerships between public and private institutions and subsidizes groundbreaking nanotechnology research that pushes the limits of modern microelectronics.
- ▶ Connects companies with local support and investments, including state programs and funds specifically allocated for semiconductor manufacturing. We coordinate with regulatory agencies across the state to help companies secure a competitive investment package for their development. pushes the limits of modern microelectronics.

### TOP-RANKED BUSINESS ENVIRONMENT

- ▶ A business-friendly environment with low labor costs, low tax rates, pro-business policies, and generous investment incentives
- ▶ A track record of industry leaders expanding or relocating to Indiana
- ▶ An approachable team committed to both your success and our ambitious strategy to advance, accelerate, and support Indiana becoming the leading state in the semiconductor industry

**“We are excited to build a state-of-the-art advanced packaging facility in Indiana. We believe this project will lay the foundation for a new Silicon Heartland, a semiconductor ecosystem centered in the Midwest Triangle. This facility will create local, high-paying jobs and produce AI memory chips with unmatched capabilities, so that America can onshore more of its critical chip supply chain. We are grateful for the support of Gov. Holcomb and the state of Indiana, of President Chiang at Purdue University, and of the broader community involved, and we look forward to expanding our partnership in the long run.”**

– KWAK NOH-JUNG  
CEO  
SK HYNIX

