

CHALLENGE:

The United States has faced many competitive and technological challenges but few have been more alarming than the lack of semiconductor development and manufacturing as evidenced by the recent semiconductor shortage. Chips are fundamentally integrated into nearly every industry, mode of transportation, infrastructure, government, and military system. With our over dependence on overseas manufacturing and lack of investment in advancing semiconductor design and production, the US risks falling even further behind in this rapidly growing sector of the global economy. In order to stay competitive, prosperous, and secure in an increasingly digital world, it is necessary to create and scale new manufacturing infrastructure and ensure we attract and retain top minds that make the US a leader in microelectronics.

SOLUTION:

The MMEC is a non-profit formed to unite industry, academia, and government for US microelectronic advancement, benefiting the commercial and defense markets. Created to enhance domestic technology and fortify the US supply chain, the MMEC envisions a collaborative ecosystem fostering rapid lab-to-fab-to-market and lab-to-fab-to-mission innovation. This community will empower members to discover new technologies, share their capabilities, develop the next generation of workforce, and bring world-class innovation into scalable commercial production.

STRATEGY:

With a strong technical focus, MMEC's strategy is designed to accelerate innovation by enabling systematic, data-driven, feedback for rapid optimization of microelectronic development. Using the input of members, industry, core facility providers, academia, and government, the MMEC will provide a central hub for the development of a scalable and resilient microelectronics manufacturing ecosystem. The MMEC will provide:

- Unified infrastructure to exchange information.
- Scale-up and scale-out pathway and opportunities.
- Secure backbone for microelectronic development and manufacturing.
- Systematic assessment of supply chain capabilities and vulnerabilities.
- Advocacy and policy advancement.
- Test & Certification

INVESTMENT IN MICROCHIP R&D AND MANUFACTURING WILL DRIVE THE INNOVATION ROADMAP

JOIN TODAY

Members include government, academia, product and solution providers, prime contractors, and small to large businesses in the microelectronics market.

Fill out the membership application at:

www.mmeconsortium.org/member/ or contact us at info@mmeconsortium.org

For more information on the MMEC, scan the QR code to be directed to our website

