

Semiconductor Manufacturing:

Think globally, build locally



With the help of the US "Chips for America" legislations, High Tech companies are racing to onshore and friendshore semiconductor fabrication plants and improve their manufacturing facilities. Accenture's Manufacturing Reinvention solution offers 3 key areas of priority investment.

The new normal for high tech manufacturing

<p>\$52B</p> <p>Investment from the US government in manufacturing grants and research to the semiconductor industry along with a 25% investment tax credit.¹</p>	<p>60</p> <p>New or expanded High Tech manufacturing facilities across the United States have been announced, 11 of which are new or extended fabs.²</p>	<p>>50</p> <p>With over 50 points of the semiconductor value chain, 65% of it was contained to one geographical region. This exposed vulnerabilities in the global supply chain.³</p>
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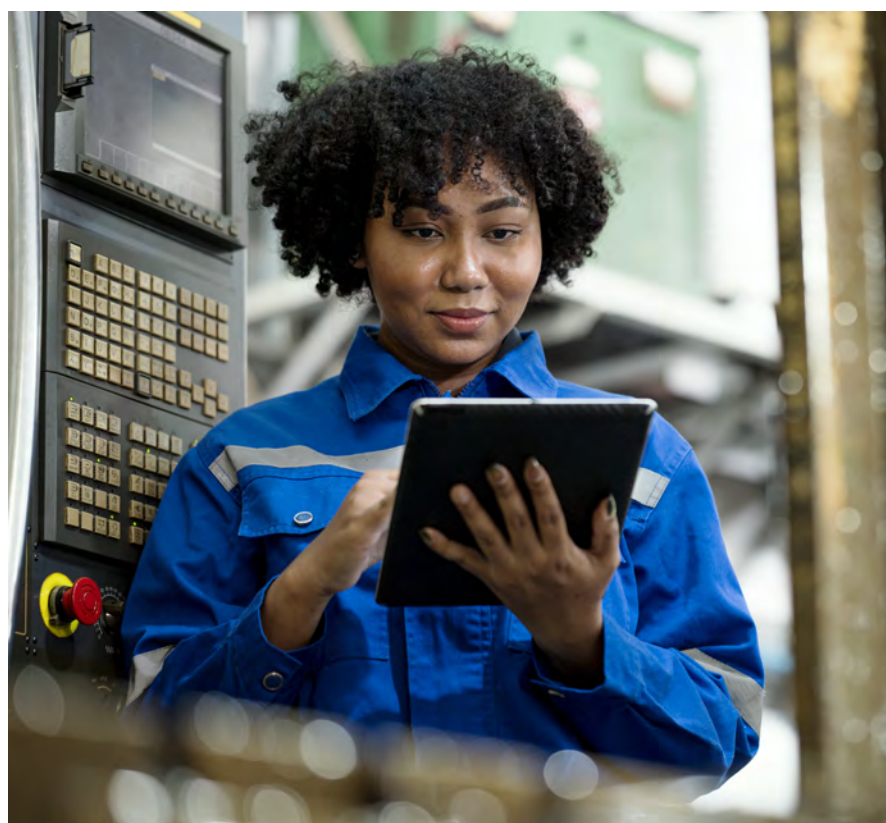
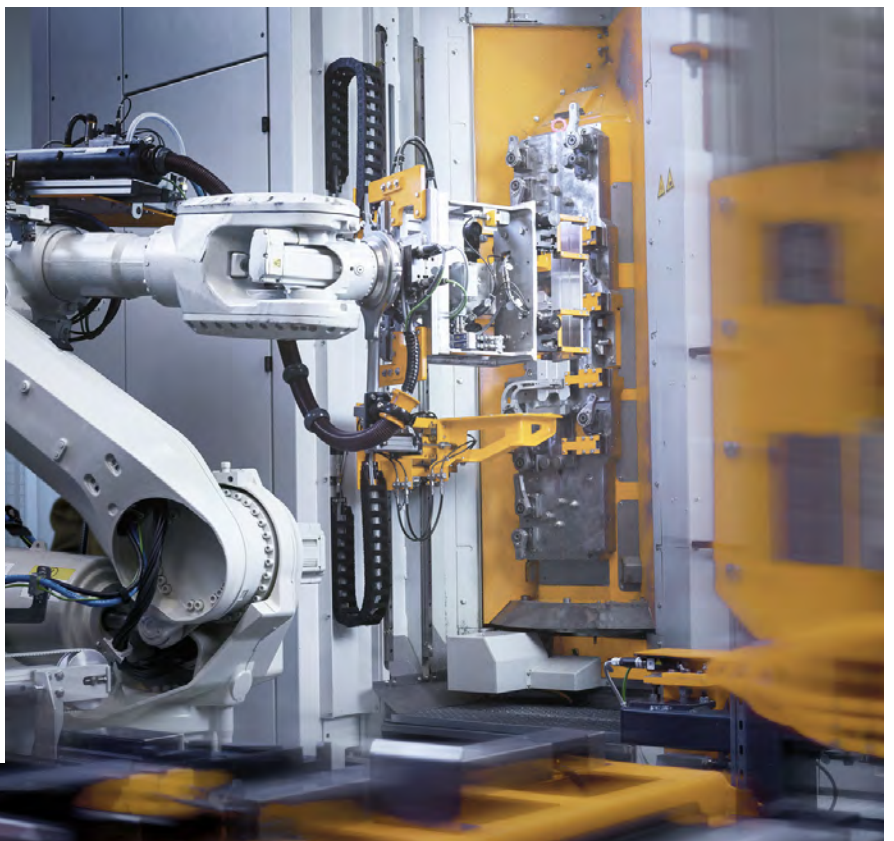


Manufacturing build strategy

Effectively manage access to capital, costs, schedule and complexity. We provide expertise to navigate complex grant management and accelerate access to capital. We support in manufacturing strategies that address talent transformation, sustainability and security by design.

Manufacturing build enablement

Creating tech-enabled resilient factories and sustainable value chains, we bring together functionalities and insights together making construction projects more connected, intelligent, and collaborative. From real-time communication between people, systems, and assets more efficiently, enabling better cost and schedule control our solution defines the technology strategy for advance system integration.



Manufacturing optimization & analytics

Companies need to secure their operations through end-to-end monitoring along with detection and response capabilities. Applying advanced manufacturing analytics capability enables driving insights and efficiency, improve quality and reduce test time using analytics and digital models.

Accenture is uniquely positioned to drive your manufacturing reinvention.
<https://www.accenture.com/us-en/services/high-tech/manufacturing-reinvention>

1. Reuters.com, "US reports big interest in \$52 billion semiconductor chips funding" <https://www.reuters.com/technology/us-reports-big-interest-52-billion-semiconductor-chips-funding-2023-08-09/>
 2. Semi.org, Press Release, "Global Chip Industry Projected to Invest more than \$500 Billion in New Factory Construction Starts by 2024" <https://www.semi.org/en/news-media/press-releases/semi-press-releases/global-chip-industry-projected-to-invest-more-than-500-billion-in-new-factory-construction-starts-by-2024>
 3. Semiconductor Industry Association, "U.S. Semiconductor Ecosystem Map," as of October 17, 2023. <https://www.semiconductors.org/u-s-semiconductor-ecosystem-map/>
 4. Number of semiconductor manufacturers today - between 15 and 20, 60 to be built in next 10 years <https://www.documents.accenture.com/journal/entry/115534f6-02b6-4584-b055-fa11c1-21c48>