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**Industry Spotlight:**

# **Vietnam's Roadmap for High-Tech Investment In Semiconductor**

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# Vietnam's Formula for Semiconductor Success

$$C = SET + 1$$

## Formula Explanation



**C** represents **Chip**  
(semiconductors)



**S** stands for **Specialized**  
chips



**E** highlights the  
**Electronics** industry



**T** represents **Talent**,  
emphasizing workforce  
development



**+1** symbolizes Vietnam as a  
key destination for the global  
semiconductor supply chain

# Three-Phase Roadmap

Vietnam's strategy is designed to gradually build its semiconductor capabilities through a structured, phased approach that targets both domestic development and foreign direct investment (FDI)





# Phase 1: 2024 – 2030

## Key targets by 2030:

- Establish 100 design firms, 1 semiconductor manufacturing plant, and 10 packaging and testing facilities.
- Achieve annual semiconductor industry revenue exceeding US\$25 billion with 10-15% value-added in Vietnam.
- Reach electronics industry revenue surpassing US\$225 billion, with a similar 10-15% value-added growth.
- Expand the workforce to over 50,000 skilled engineers and professionals.



## Phase 2: 2030 – 2040



### Key targets by 2040:

- Grow to 200 design firms, 2 semiconductor manufacturing plants, and 15 packaging and testing facilities.
- Gradual autonomy in semiconductor design and production.
- Semiconductor industry revenue to exceed US\$50 billion annually, with 15-20% value-added.
- Increase electronics industry revenue to US\$485 billion, also targeting 15-20% value-added.
- Expand the workforce to over 100,000 skilled engineers and professionals.

## Phase 3: 2040 – 2050

### Key targets by 2050:

- Establish a minimum of 300 design firms, 3 large-scale semiconductor manufacturing plants, and 20 packaging and testing facilities.
- Reach US\$100 billion in semiconductor industry revenue, with 20-25% added value.
- Push electronics industry revenue to exceed US\$1,045 billion annually, with 20-25% value-added.
- Develop a self-sustaining semiconductor ecosystem, supported by a robust workforce with the skills and numbers to meet industry demands.



# Government Support Mechanisms

Investment in data centers  
and supercomputing  
systems

Top-tier incentives for high-  
tech foreign investments

Special financial backing for  
building high-tech  
semiconductor  
manufacturing plants

Creation of an investment  
support fund to reduce the  
impact of global minimum tax  
regulations

A one-stop administrative  
process for navigating  
project approvals

Green lane mechanisms to  
streamline the export of  
goods related to the  
semiconductor industry



# Vietnam's Path to Semiconductor Leadership

- Vietnam's roadmap is ambitious but firmly rooted in achievable milestones that can turn the country into a global semiconductor powerhouse.
- For investors, Vietnam offers not only a strategic location but also the tools and support needed to thrive in a highly competitive industry.
- The opportunity to get involved early in this fast-growing market could deliver strong returns, while helping shape the future of Vietnam's high-tech sector.





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