

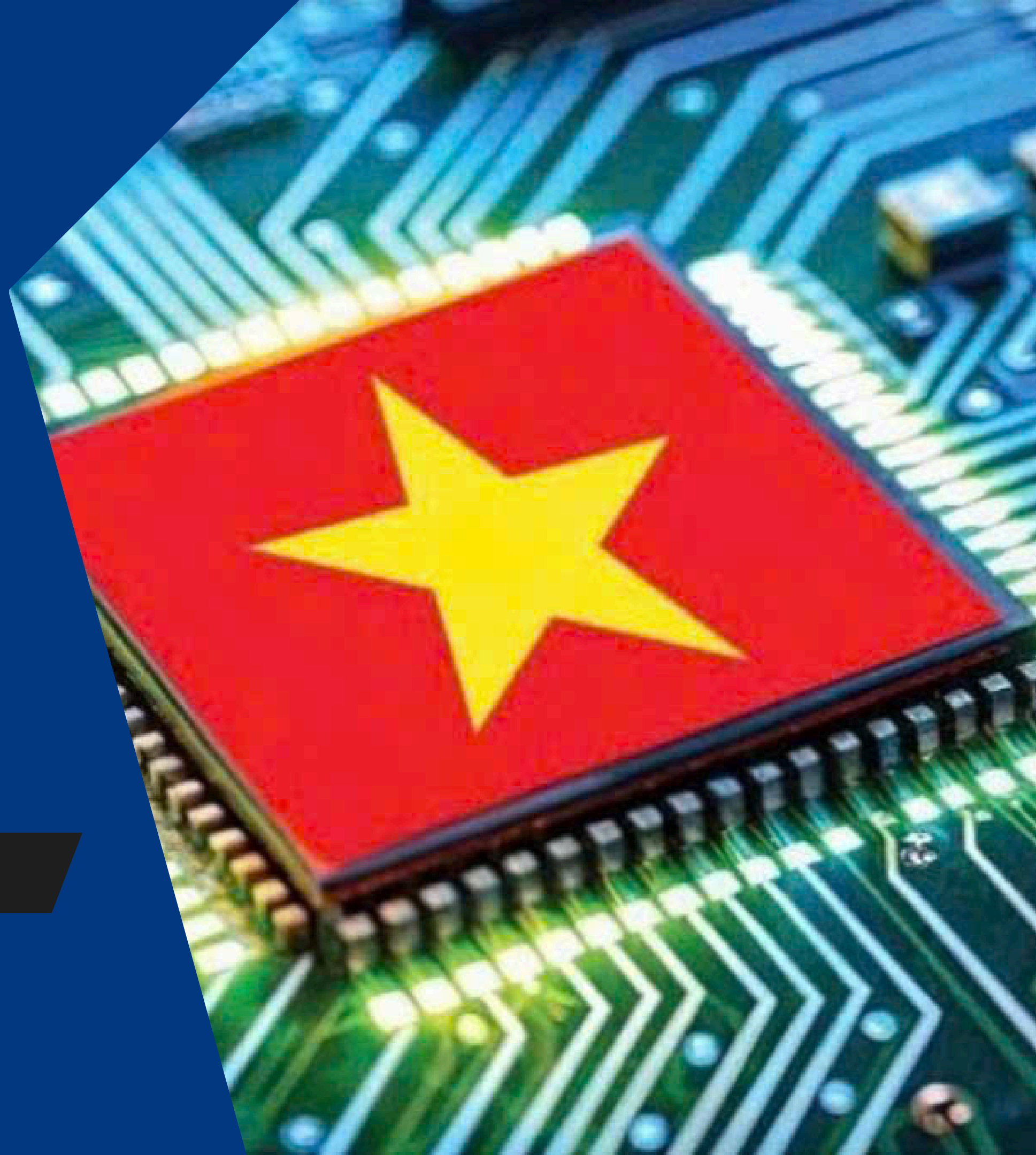


# SOUTHEAST ASIA INSTITUTE OF ADVANCED TECHNOLOGY

Hà Nội, 2026



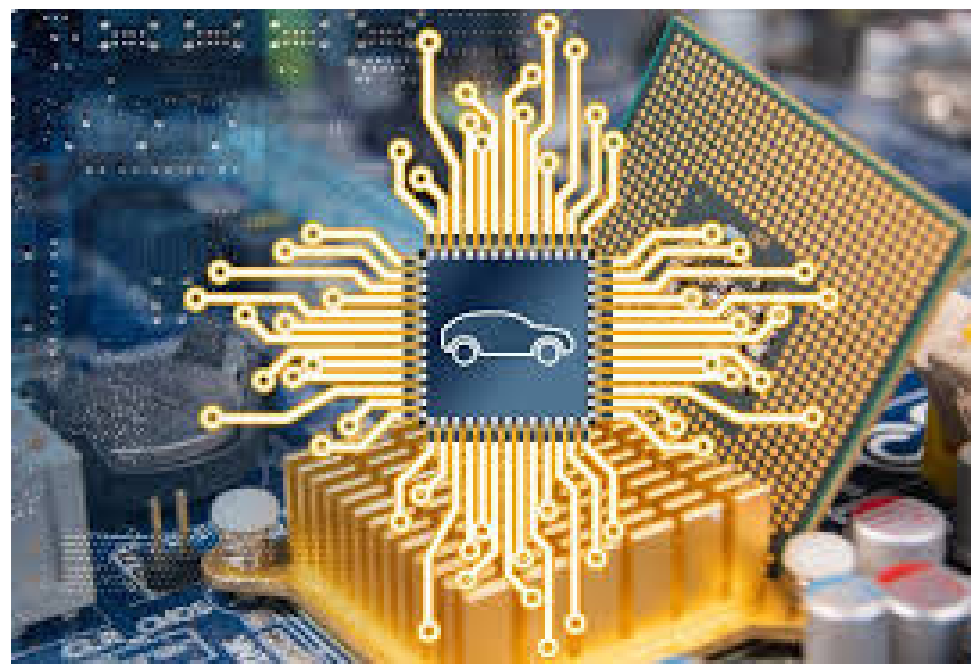
[www.aiat.com.vn](http://www.aiat.com.vn)





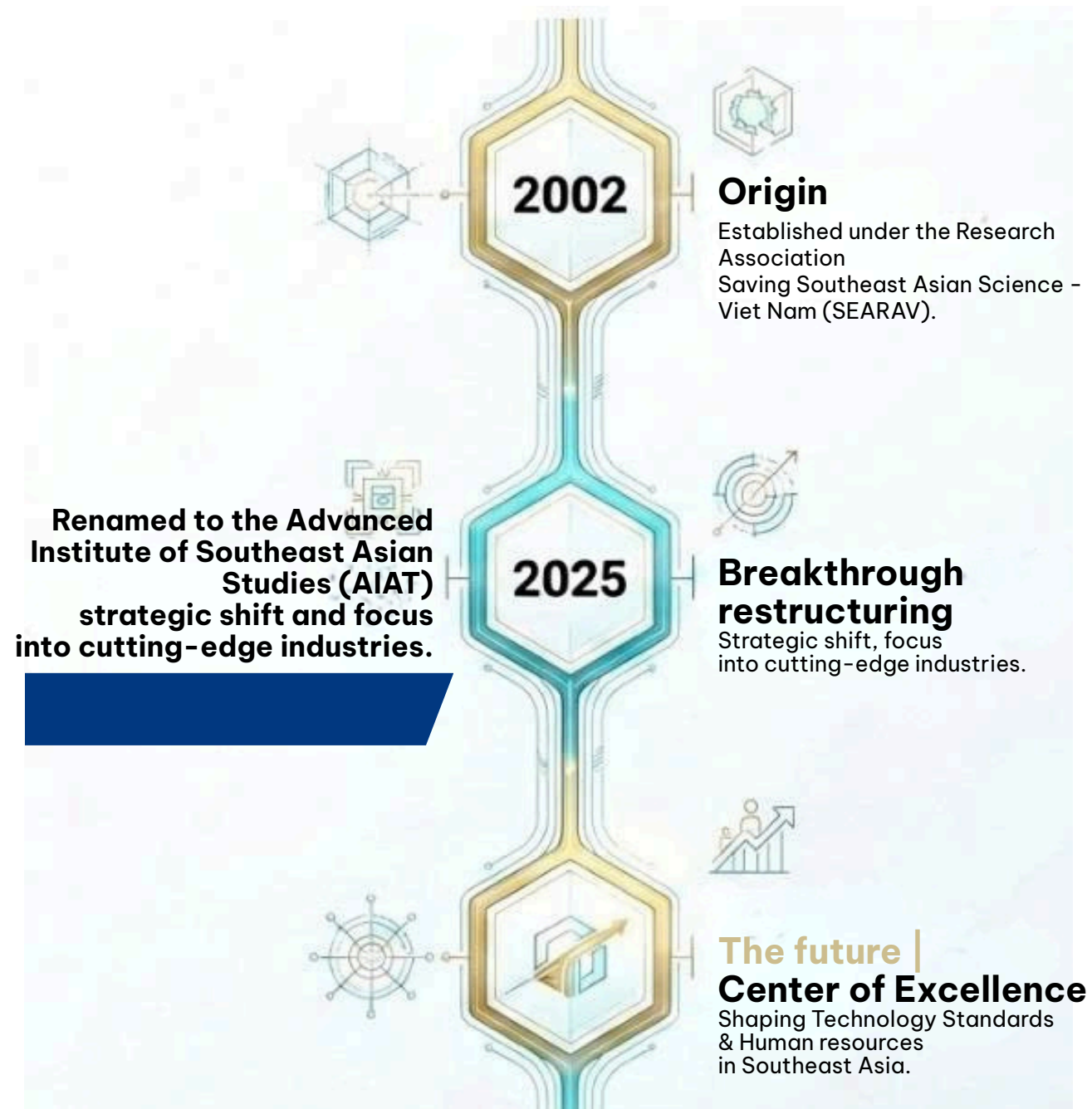
# INDEX

- 01** About Us
- 02** Message from the President
- 03** Mission and Vision
- 04** The fundamental activities of AIAT
- 05** The aims of AIAT
- 06** Organizational structure
- 07** A selection of photographs showcasing AIAT's activities.
- 08** Several representative projects
- 09** Why select AIAT?
- 10** Contact details





# About Us



The Southeast Asian Institute of Advanced Technology (AIAT) is a scientific and technological organization affiliated with the Southeast Asian Association for Advanced Studies - Viet Nam (SEARAV). Founded in 2002 and undergoing strategic restructuring in 2025, AIAT reinforces its role as a vital connection between comprehensive research and the application of innovative industries.

AIAT functions as a vital connection between comprehensive research and advanced industrial application. Our emphasis is on transferring essential technologies to overcome challenges in the digital economy through three foundational pillars:

**Semiconductor Industry:** The research, application, and transfer of contemporary chip design, packaging, and testing methodologies from international partners to Viet Nam.

**UAV/Drone Ecosystem:** Mastering the technology for the research and production of unmanned aerial vehicles, establishing a foundation for an economically disadvantaged sector.

**Training Elite Human Resources:** Providing internationally qualified, skilled engineers for the semiconductor and autonomous technology value chains.

**Operating model:** Connecting "Institutes - Universities - Businesses - Government." Through a global network of strategic partners (USA, Canada, UK, Japan, South Korea, China...), AIAT is dedicated to generating authentic, sustainable, and transformative value.



# Message from the President

Dear Partners and Colleagues, "Mastering core technologies is essential for self-reliance and sustainable development." At AIAT, we are convinced that the forthcoming era of Southeast Asia will be defined by advancements in high technology. Nevertheless, the primary challenge resides not in the possession of technology, but in the capacity to engage in comprehensive research, implement it in practice, and successfully integrate it into the global value chain.

As the leader of AIAT, my vision is unequivocal: to transform the Institute into a "driving force" for growth in localities and industries through two strategic levers: mastering semiconductor materials and components, and establishing a low-level economic ecosystem centered on drones and UAVs.

We do not engage in research merely to archive it; every initiative at AIAT—from advanced semiconductor material solutions to drone production lines—is intended to directly tackle the technological, productivity, and human resource challenges confronting Vietnam.

AIAT is dedicated to serving as a dependable, transparent, and proactive partner in strategic consulting, investment promotion, and effective human resource training. We encourage partners, scientists, and businesses to collaborate with us, not only to stay abreast of global developments but also to collectively set new benchmarks for high technology in the region.

Best regards.



*Mr. Vo Dinh Bao Quoc, President of the Southeast Asia Institute for Advanced Technology (AIAT)*





# Mission and Vision

## Mission

Aiming to emerge as a premier center of excellence in Southeast Asia by 2030 in the domain of high-tech transfer, AIAT aspires to cultivate a self-sustaining ecosystem in which Viet Nam excels in the upstream components of the global semiconductor value chain and spearheads the low-level economy.

## Vision

We realize our vision through three dedicated commitments to action:

Mastering the upstream sector: Research, application, and technology transfer in semiconductor components and materials, thereby establishing a self-sufficient technical foundation for enterprises and communities.

Building economic infrastructure: Advancing innovative UAV/Drone solutions to enhance operational efficiency across security, defense, and emerging economic sectors.

Nurturing talent: Establishing a network of practical training to cultivate high-quality human resources adept at swiftly adapting to the international industrial landscape.

***Core values: Innovative execution – Accelerated advancement – Sustainable collaboration***

# Vision 2030: A Transformative Ecosystem for Advanced Technology



## Mastering the Upstream (Semiconductors and Materials)

Applied research and technology dissemination.  
Fundamental technologies and design/testing methodologies.

## Infrastructure Advancement (Low-Level Economy/UAV)

Developing drone technologies  
Unmanned vehicles achieve a significant breakthrough.

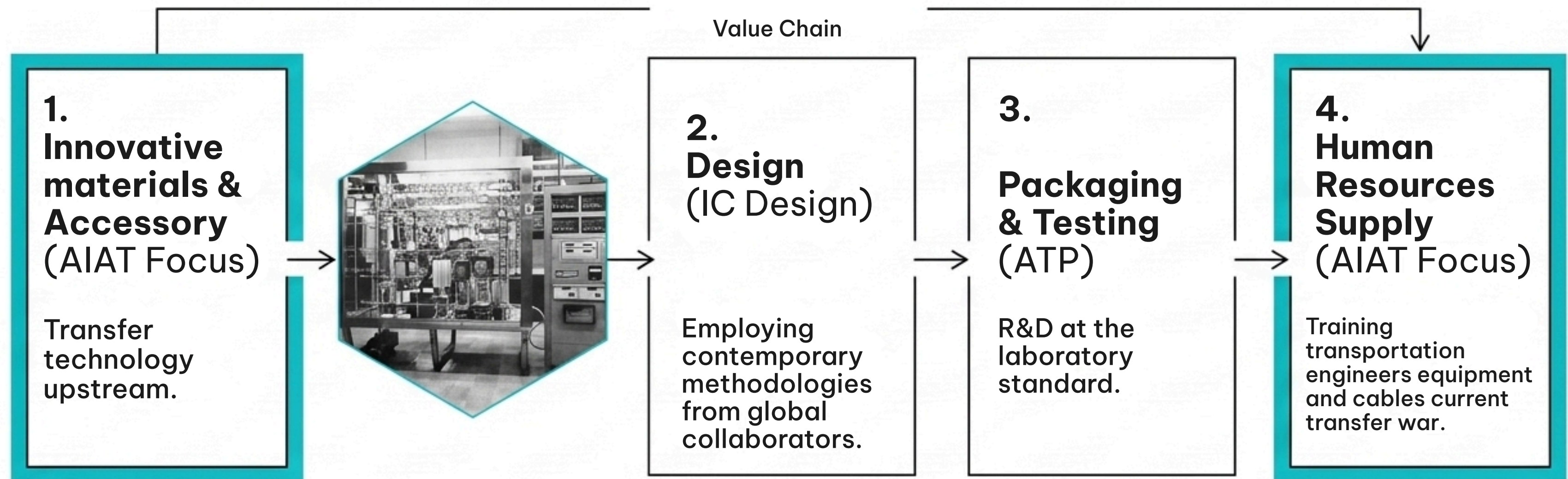
Ecosystem  
Self-reliance

## Fostering Excellence (Professional Development)

Delivering prompt operational engineers  
for the global value chain.

**2035 Goal:** To establish ourselves as the premier center of excellence in Southeast Asia.  
in technology transfer and the provision of high-quality human resources.

# Pillar 1: Semiconductor Sector & Emerging Materials



Establishing a robust technological foundation for enterprises and communities.

# Pillar 2: UAV Systems and Innovative Low-Level Economy

## AI & Data Platform (Software)

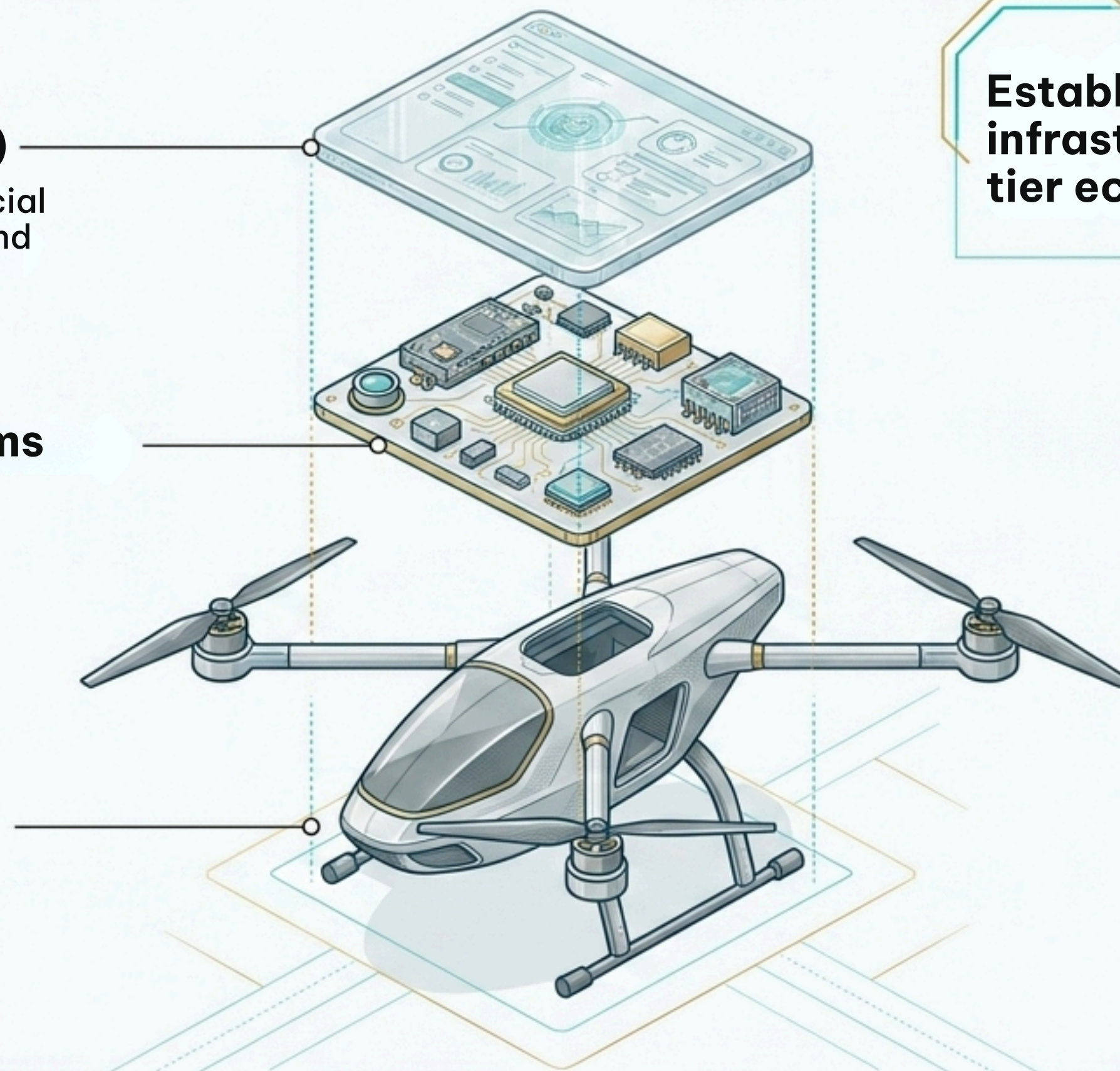
A control software that integrates Artificial Intelligence (AI) for object recognition and real-time data analysis.

## Electronics and Sensor Systems (Avionics)

Mastery of hardware and precision navigation systems.

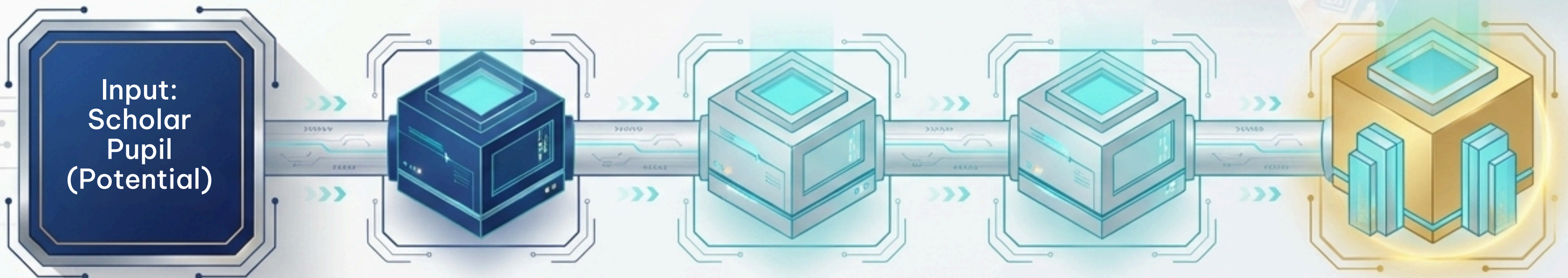
## Hardware and Fabrication

Large-scale production for advanced agriculture, logistics, and security.



Establish operational infrastructure for low-tier economic zones.

# Pillar 3: Training Facility Semiconductors & the Application of STEM



## Project-Based Learning:

Engaging in education through practical, real-world projects. Artificial Intelligence, Automaton, Computing Device.

## Global Standards

The 1+2/2+2 linkage model with international universities

## Practical Laboratory

Hone these skills standard apparatus industrial.

## Output Elite Engineers

The appropriate and most qualified workforce provided in accordance with demand. rigorous sequence Foreign Direct Investment corporations.



# Global Strategic Partnership Framework

ASU (Arizona State University)  
Semiconductor training transfer.

ITRI and CPC – Transfer  
Component Research and  
Development & Productivity.

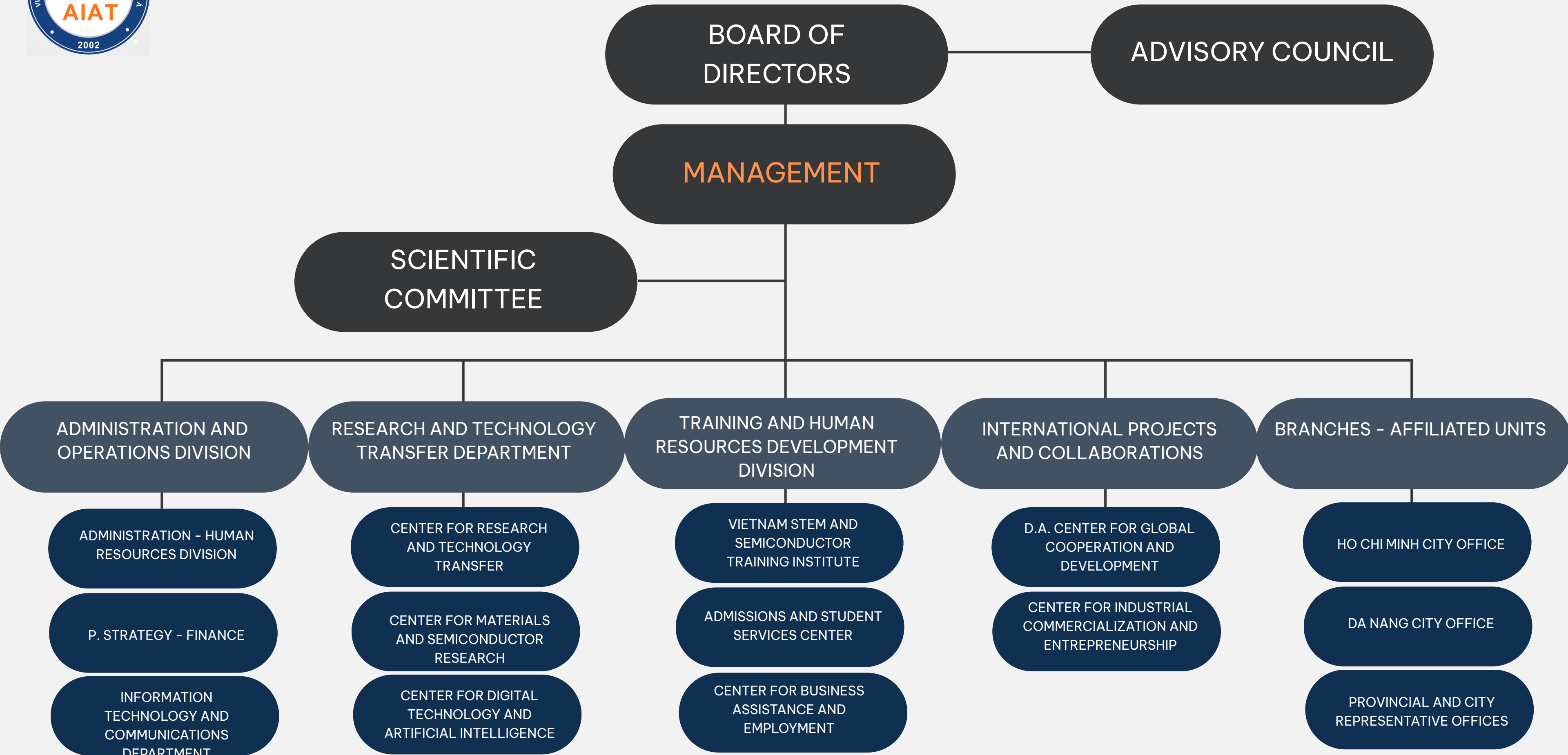
NIC (Innovation),  
VAMI (Mechanical Engineering),  
VEIA (Electronics),  
Bluebik (Digital Transformation).



Vietnam acts as a direct conduit linking the global technology supply chain to the country.



# Organizational structure of AIAT





# The leadership team of AIAT



**Mr. Vo Dinh Bao Quoc**  
Director

Mr. Vo Dinh Bao Quoc is a specialist in optoelectronics and semiconductor technology. He possesses considerable experience in the development and manufacturing of optoelectronic components. He actively advocates for industrial collaboration and the advancement of the semiconductor technology ecosystem in Viet Nam.



**Engineer Thai Thanh Ha**  
Chairman of the Board of Directors - Vice Chairman

Engineer Thai Thanh Ha is a technology professional with more than 20 years of experience in the development and transfer of high-tech solutions, particularly in the areas of automation and advanced materials.



**Dr. Tung Nguyen**  
Deputy Director

Dr. Tung Nguyen possesses more than 20 years of experience in overseeing training, research, and the development of STEM (High-Tech) programs both in Vietnam and on an international scale.



**Dr. Tran Trong An**  
Deputy Director

Dr. Tran Trong An is a scientist with expertise in electronic materials, microelectronics, nanotechnology, and semiconductor technology. He earned his PhD from Delft University of Technology in the Netherlands. Currently, he serves as a lecturer and researcher at the Institute of Materials Science and Engineering at Hanoi University of Science and Technology.



# Advisory Council - Scientific Council of AIAT



**Associate Professor Dr.  
Tran Dinh Thien**  
Chairperson of the Advisory Board



**Professor  
Dr. Tu Trung Chan**  
Chairperson of the Scientific Council



**Mr. Nguyen Duc Toan**  
Senior Consultant



**Associate Professor Dr. Le  
Huy Hoang**  
Senior Consultant



**Dr. Nguyen Huy Cuong**  
Senior Consultant



**Mr. Pham Ngoc Duong**  
Strategic Consultant

# Execution Capabilities: Case Study Analysis



Panel 1: Drone Ecosystem & Subordinate Economy

- Master the comprehensive design of hardware and software control.
- Integrated AI conducts real-time analysis of sensor data.
- Standardization in mass production.



Panel 2: Semiconductor Workforce Alliance

- In partnership with Intracom University and global collaborators.
- Adopt industry-standard laboratory practices.
- We provide a diverse array of packaging and testing engineers.

# Strategic Framework: Quantification of the 2030 Objectives

**5.000+**

Semiconductor/UAV  
engineers & technicians  
are available.

**20+**

Strategic partnership  
with Universities  
College

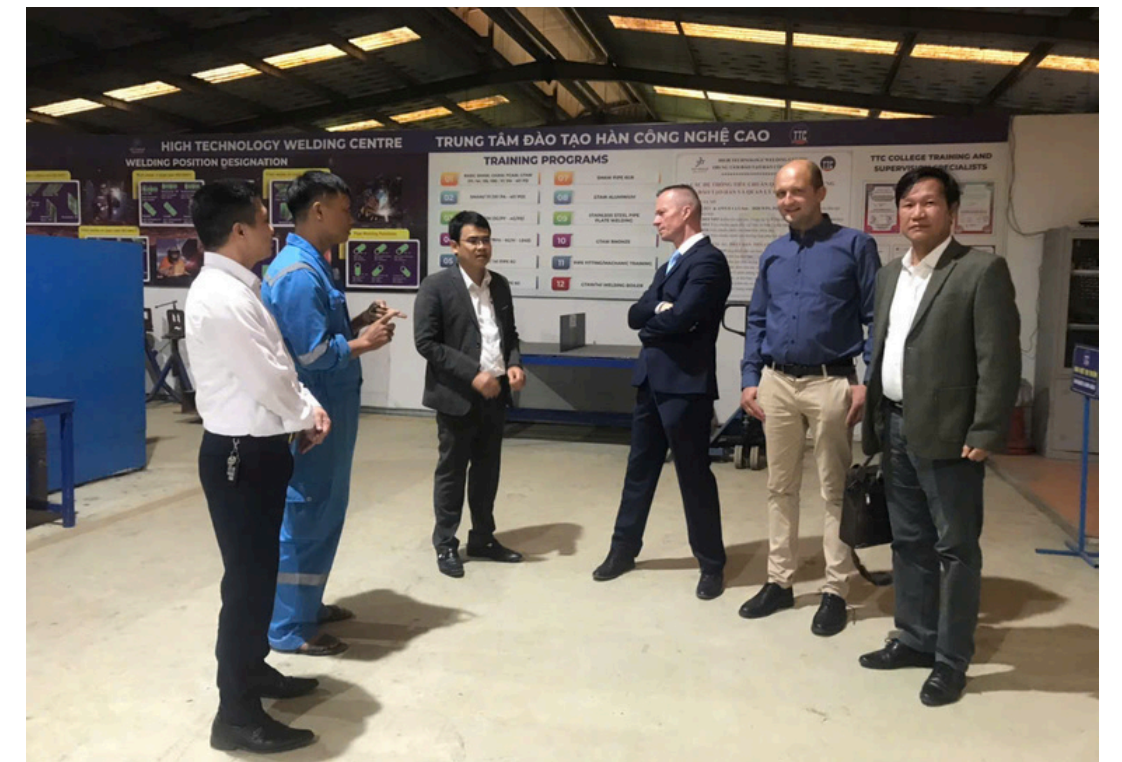
**5+**

Project transfer  
materials science  
upstream  
complete

**5+**

Province/City  
strategic advisory  
Semiconductor  
Metropolis

# A selection of photographs showcasing AIAT's activities.



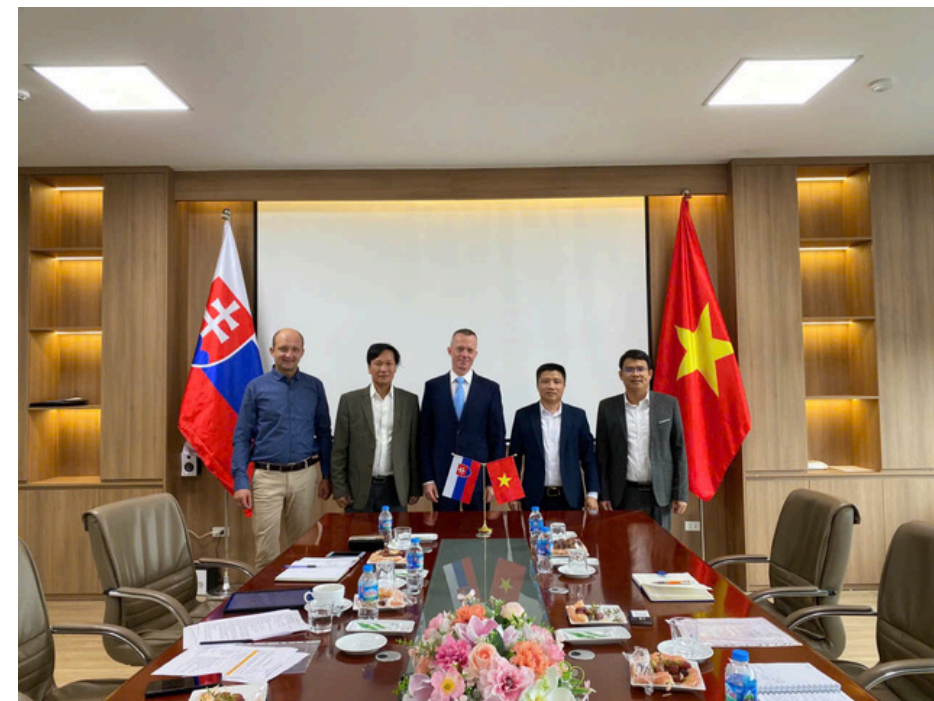
# A selection of photographs showcasing AIAT's activities.



... Mao (1st, R), Chairman of the National Assembly's Committee for External Relations, is shaking hands with overseas Vietnamese Tu Trung Chan, chairman of chipset producer Napotec, with former Minister Vo Van Kiet looks on (Photo: ...)



25 16:21

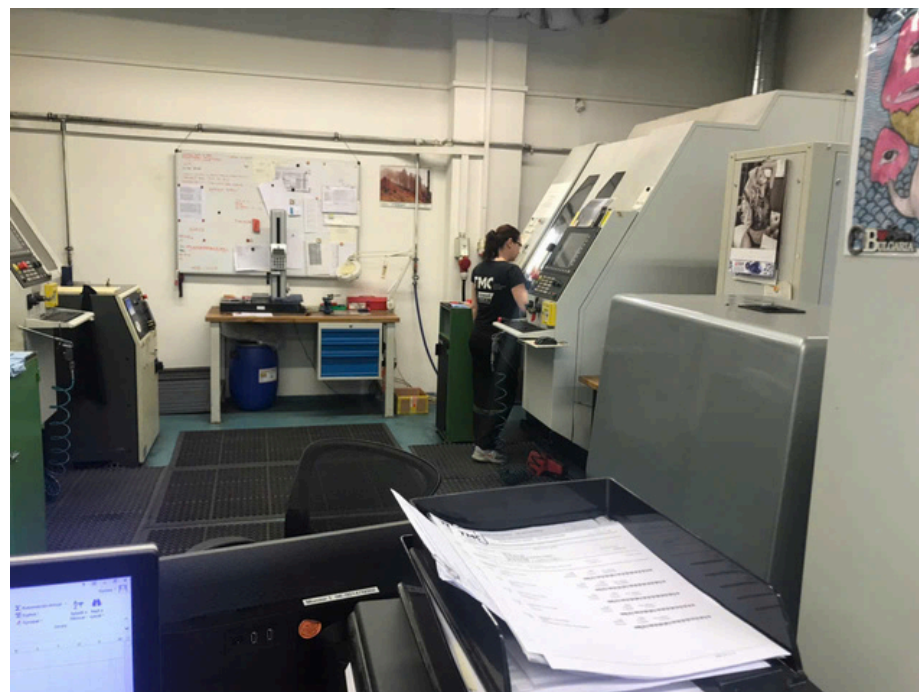


## METAL ORGANIC CHEMICAL VAPOR DEPOSITION (MOCVD)

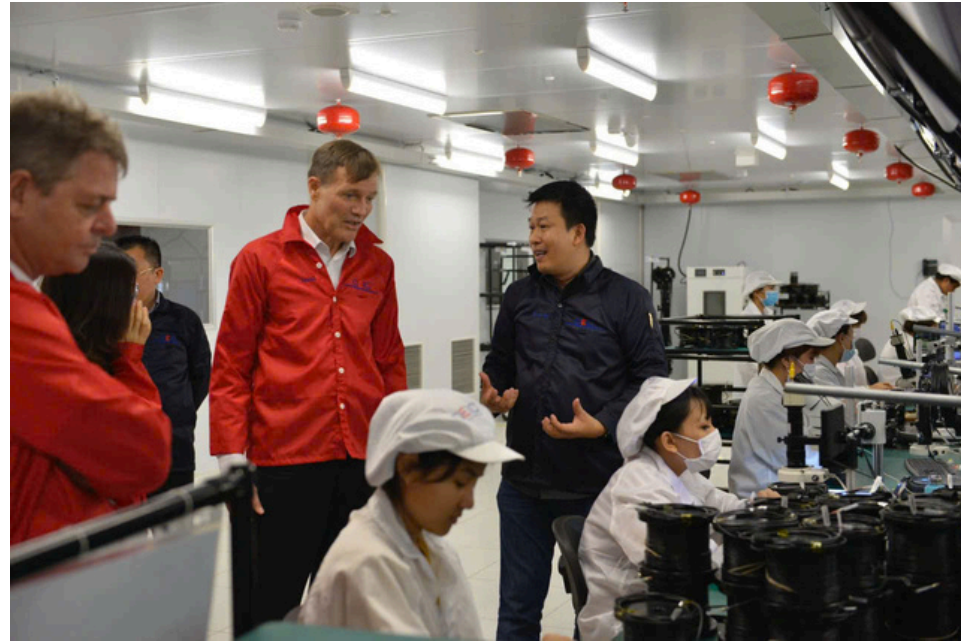
Metal Organic Chemical Vapor Deposition (MOCVD) System

20-4-2023 CONFIDENTIAL 3

# A selection of photographs showcasing AIAT's activities.



# A selection of photographs showcasing AIAT's activities.





# Why select AIAT as a Strategic Partner?



## Indigenous expertise

Master the protocols. legal, official FDI literature and regulations regional development planning Vietnam.



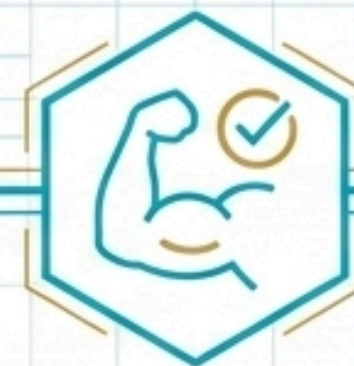
## Capacity End-to-End

Comprehensive implementation consultative period strategy, construct develop infrastructure R&D transition.



## Holistic Ecosystem

Institute Model - Academy - Enterprise profession - public administration optimization privileges all resources.



## Combat Unit

Execution mentality powerful from the product specialist First, ensure advancement. accuracy and transparency.



# Together, We Establish New Standards.

Engage with AIAT to transform your technological vision into reality.



Website: [www.aiat.com.vn](http://www.aiat.com.vn)

Email: [info@aiat.com.vn](mailto:info@aiat.com.vn)

Hotline: (+84) 988 77 33 55 / +84 799 998 886

