

# Trung Nam

# Electronics Manufacturing Services





**“Advanced Technology  
- Pioneering Quality”**

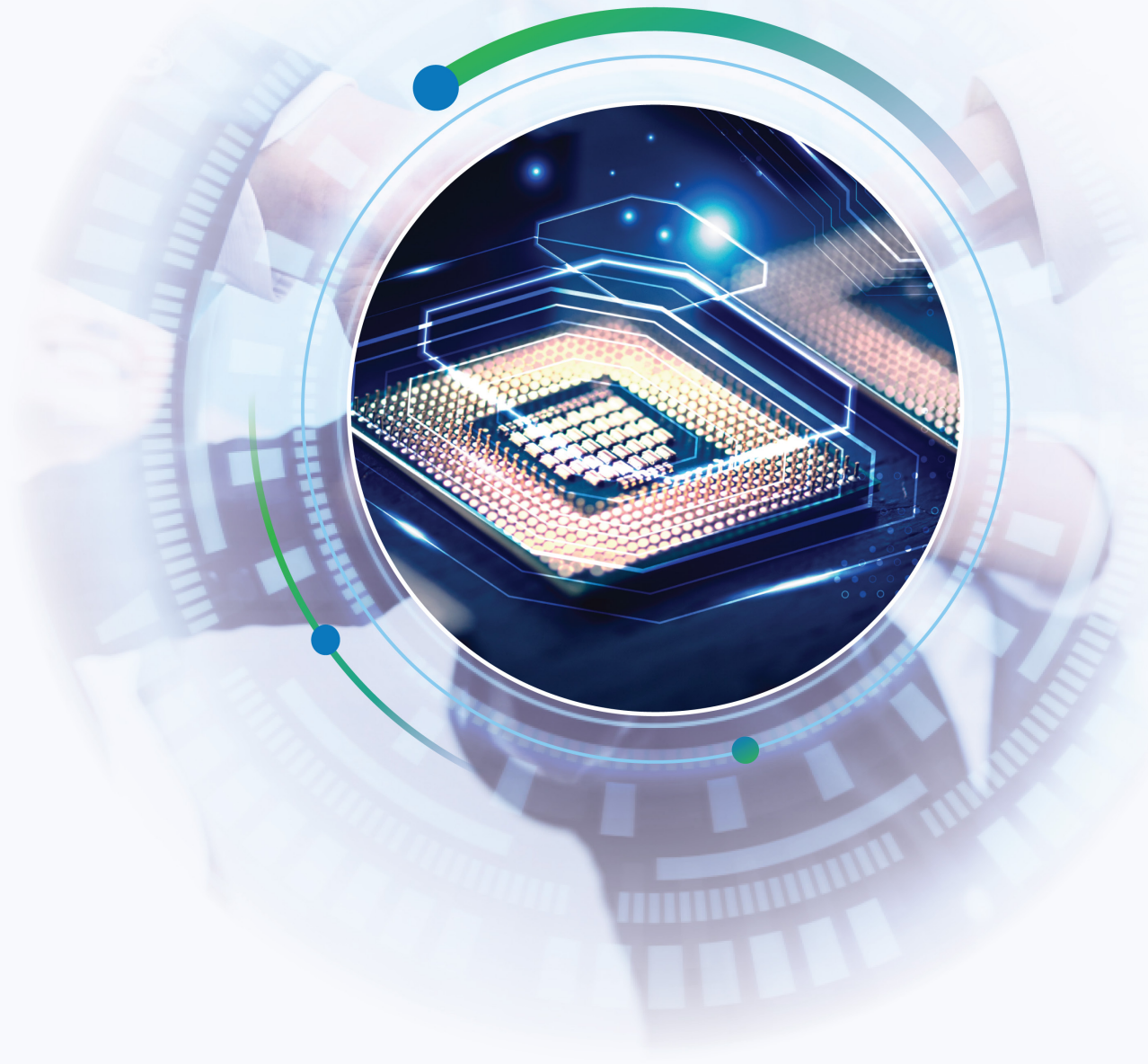
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# 01

## ABOUT US





# TRUNG NAM GROUP

## TRUNG NAM CONSTRUCTION INVESTMENT JOINT STOCK COMPANY

Trungnam Group was founded in 2004 and has made significant progress in its more than 2 decades of operation. Trungnam Group has grown into a large private corporation with a multi-industry ecosystem that includes 05 areas of activity:



## AT RENEWABLE ENERGY BUSINESS AREA

Leading private renewable energy developer in Vietnam.

First private company in Vietnam to invest, and construct 500 kV  
Substation & Transmission line with 450 MW Solar Power Plant



# 1,63<sub>GW</sub>

TOTAL CAPACITY



# 3,08<sub>billion kWh (2023)</sub>

PRODUCTION



# 2,3<sub>mil tons CO<sub>2</sub></sub>

REDUCE





## TRUNG NAM ELECTRONICS MANUFACTURING SERVICES

Trungnam EMS is a subsidiary of Trungnam Group, it was founded in 2020 and specializes in electronics manufacturing services, including SMT, Box Build, Design, and supply Chain.

By the unique combination of R&D and PCB Assembly, we support from design to production, from prototype to mass production with international quality in Vietnam for lower cost.

### CORE VALUES

- Customers & people are the most valuable assets
- Never stop improving
- Focus on processes

**“Advanced Technology  
- Pioneering Quality”**

### MISSION

Our mission is to support the growth of Electronics industry globally, provide high-standard turnkey support to OEM.

### VISION

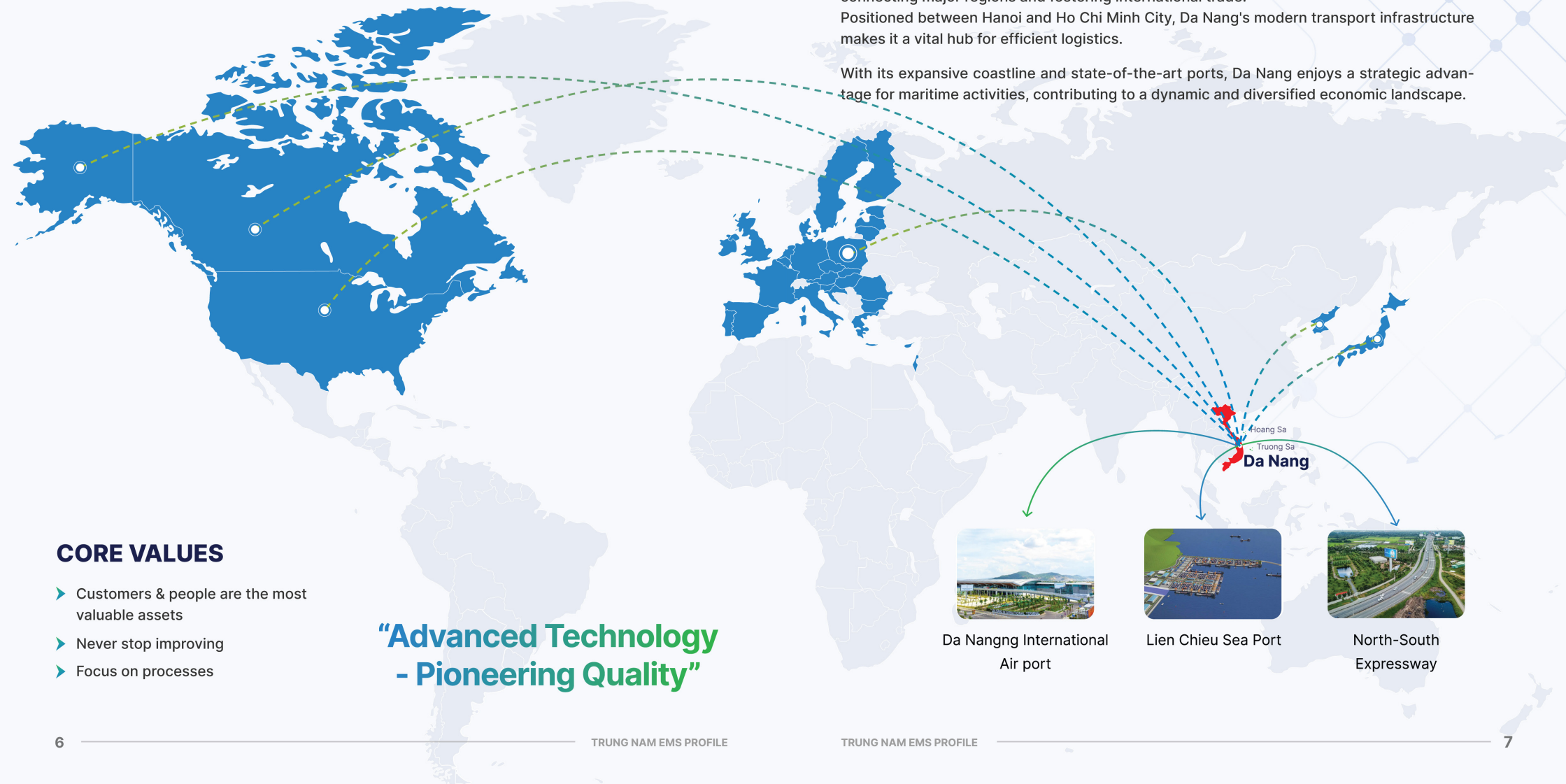
Moreover than a contract manufacturer, our vision is to become a world-class solution provider for electronics, IT and semiconductor.

Be and always stand at the cutting edge of quality. Customer Service & technology state-of-art.

### LOCATION

Nestled in the heart of Vietnam, Da Nang serves as a pivotal economic gateway, seamlessly connecting major regions and fostering international trade. Positioned between Hanoi and Ho Chi Minh City, Da Nang's modern transport infrastructure makes it a vital hub for efficient logistics.

With its expansive coastline and state-of-the-art ports, Da Nang enjoys a strategic advantage for maritime activities, contributing to a dynamic and diversified economic landscape.

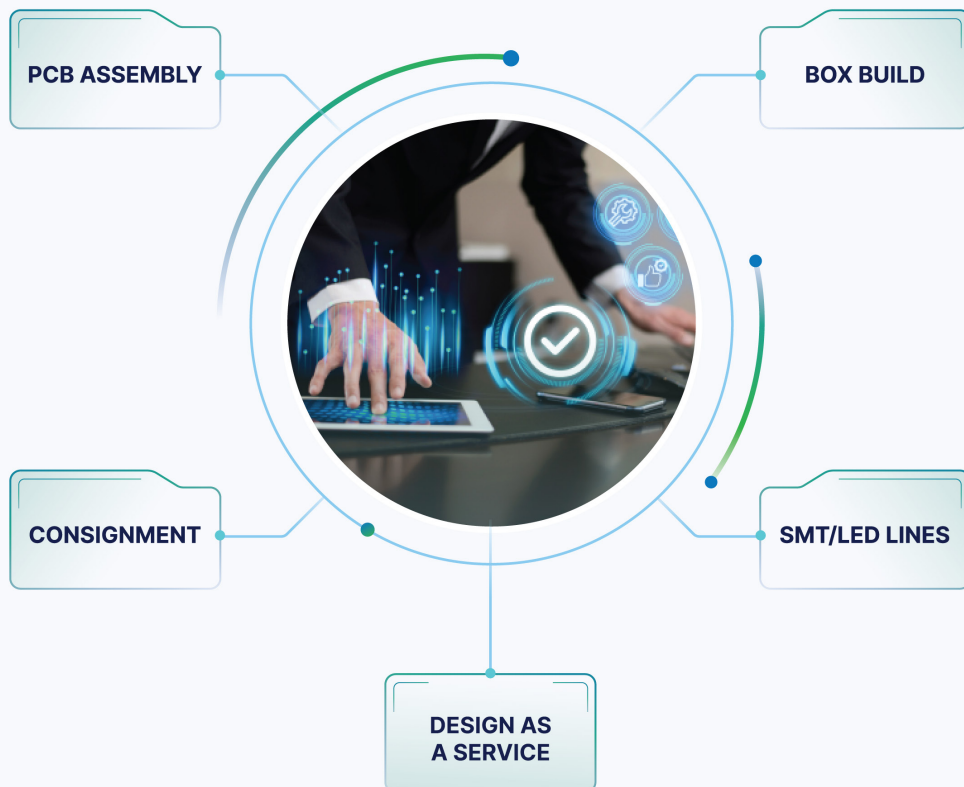


# 02

## OUR SERVICES

### TRUNG NAM EMS - A NEW WORLD CLASS EMS PARTNER IN VIET NAM.

Full turnkey solution provider of Electronic Manufacturing Services,  
from design to mass production.



## PCB ASSEMBLY

IPC 610, IATF 16949 HIGH QUALITY STANDARDS SMT  
AND THT PCB ASSEMBLY, TESTING AND SOURCING



### PROTOTYPE TO MASS PRODUCTION

PCB assembly with low quantity from 1pc to mass  
production.



### TURNKEY, PARTIAL TURNKEY, KITTED/CONSIGNED

Turnkey (All components sourced by  
PCBGOGO), Partial turnkey, Kitted/Consigned



### ASSEMBLY SERVICE

Guarantee to bring customers the outstanding  
services





# BOX BUILD

At Trung Nam EMS, we offer comprehensive box-build services as part of our Electronic Manufacturing Services. From component sourcing to final packaging, our expert team ensures seamless assembly, quality, and efficiency. Partner with us for reliable, customized solutions tailored to your needs. Box-Build activities include:

- System Level Assembly
- Product Assembly
- Sub-Level Assembly
- Testing (functional & environmental)
- Software Loading
- Product Configuration
- Packaging & Labeling
- Order Fulfillment

## SMT/LED LINES

3 Connected SMT Lines; 4.0 digitally controlled, AOI, SPI

1 Connected Led SMT Line; 4.0 digitally controlled, AOI, SPI  
XRay, Flying Probe, Wave Soldering, Selective Soldering



# CONSIGNMENT

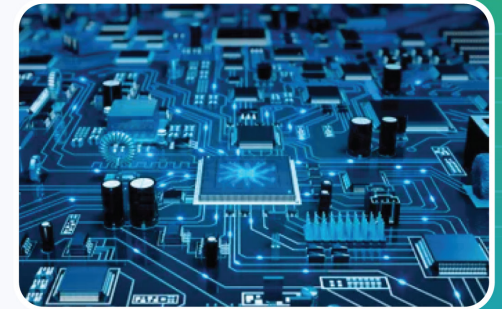
Flexibility to manage consignment materials and Finished goods for our customers



# DESIGN AS A SERVICE

## PCB DESIGN

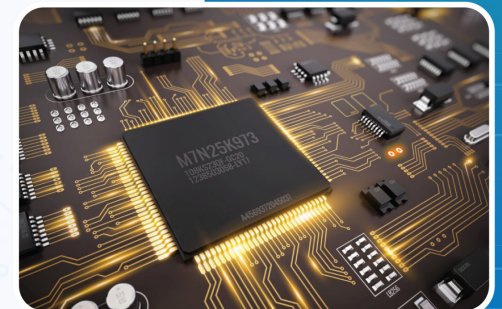
Thanks to our extended Ecosystem,  
we support OEM on PCB/PCBA Design,  
Fast prototyping



## SOFTWARE DEVELOPMENT



## SEMICONDUCTOR





# 03

## OUR CAPABILITY



# OUR TECHNOLOGY

*Redefining excellence, our production line seamlessly marries advanced technology with a commitment to precision, delivering unmatched quality for our discerning customers. Cutting-edge technology converges with a passion for perfection, ensuring a remarkable standard of electronic components.*

## MADE IN VIETNAM PRODUCT

**With modern production lines of up to 7 million products/year and meet all the strict technical requirements of international standards.**

Trung Nam EMS is proud to be an electronics company created, designed, and manufactured entirely in Vietnam, bringing the Vietnamese brand to the world. The goal in the next 5 years will be to train Da Nang a large number of skilled workers and engineers according to international standards and make a great contribution to the city's GDP.

# 04

Line SMT

# 150+

Employees

# 3,000+

Factory Area – m<sup>2</sup>

### SMT lines



SPI



REFLOW



AOI



MOUNTER



PRINTER

## A NEW WORLD EMS PARTNER IN VIET NAM

**Trung Nam EMS is a global PCB assembly manufacturer located in Viet Nam.**

Which has 04 SMT lines and 02 assembly lines equipped with the most advanced production equipment such as YAMAHA pick and place machine, Reflow oven, Wave soldering Machine, X-RAY, AOI testing machine and the most professional technical personnel.



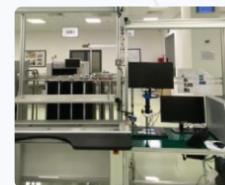
## SMART FACTORY

### Top-Notch MES 4.0

MES System: Provides online visibility for all factory activities to customers.



## Post SMT/ Box build



QC Inspection



Dispenser – Coating Machine



Yamaha solder paste inspection



Wave-soldering



# OUR QUALITY COMMITMENT

## QUALITY CERTIFICATION

## QUALITY COMMITMENT

### Top-notch quality and efficiency in every product.

Top-notch quality and efficiency in every product. Our wavering commitment to quality is evident in every product we offer - a pledge upheld through rigorous testing, meticulous craftsmanship, and a dedication to exceeding industry standards.



**Certificate of Registration**

This certificate has been awarded to

**TRUNG NAM ELECTRONICS MANUFACTURING SERVICES JSC**  
Da Nang Information Technology Park, Hien Phuoc Village, Hoa Lien Commune, Hoa Vang District, Da Nang City, Vietnam

in recognition of the organization's Quality Management System which complies with

**ISO 9001:2015**

The scope of activities covered by this certificate is defined below  
**Manufacture and Assembly of High-Tech Electronics SMT, PCBA, Test, Cable and Box Build**

Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
28 May 2024	1	27 May 2027	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
28 May 2024	0	28 May 2024	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by  Mukesh Singhal - On behalf of the Schemes Manager



**Certificate of Registration**

This certificate has been awarded to

**TRUNG NAM ELECTRONICS MANUFACTURING SERVICES JSC**  
Da Nang Information Technology Park, Hien Phuoc Village, Hoa Lien Commune, Hoa Vang District, Da Nang City, Vietnam  
USI Number P3ER35

in recognition of the organization's Quality Management System which complies with

**IATF 16949:2016**

The scope of activities covered by this certificate is defined below  
**Manufacture and Assembly of High-tech Electronics SMT, PCBA, Test, Cable, and Box Built (Excludes Product Design under Clause 8.3)**

Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
28 August 2024	1	27 August 2027	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
28 August 2024	0	28 August 2024	0543075

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

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in recognition of the organization's Environmental Management System which complies with

**ISO 14001:2015**

The scope of activities covered by this certificate is defined below  
**Manufacture and Assembly of High-Tech Electronics SMT, PCBA, Test, Cable and Box Build**

Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
03 July 2024	1	02 July 2027	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
03 July 2024	0	03 July 2024	n/a

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## QUALITY SYSTEM

Exceed customer expectations while striving for excellence through dedication, empowerment and continuous improvement.

Trung Nam EMS is committed to providing quality services that consistently meet legal and statutory requirements and exceed customers' expectations for performance, value, quality and schedule. Trung Nam EMS' Quality Management Process is based on its commitment to customer satisfaction, continuous improvement and the ongoing evaluation and improvement of its business processes at all levels within the company.

Trung Nam EMS strives to achieve continual improvement of its people, processes and services by certification to the requirements of ISO 9001:2015; ISO 14001:2015; ISO 13485:2016 and IATF 16949:2016; and by maintaining and continually improving the QMS effectiveness, through process control, supplier development and monitoring, effective communication, employee involvement and management commitment.





# NEW GREEN FACTORY

## THE NEW GREEN FACTORY: A2B4 FACTORY (Q4 2025)



The international design standards are being applied to the factory:

- Clean room class (ISO 7) o ESD System
- Solar Rooftop System



Work environment:

- ISO 14001, Sustainability Standards

# 12,500

SQM GREEN, DIGITAL

# 4.0

 Technology

AUTOMATED FACTORY  
WITH CLEAN ROOM



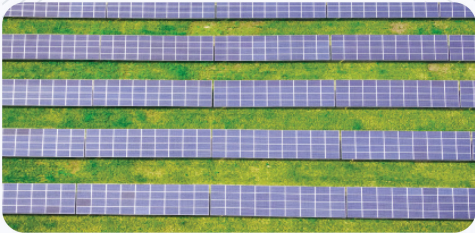


# GREEN FACTORY

## Development towards sustainability

Embracing sustainability, our green factory is a testament to eco- friendly practices, integrating energy-efficient technologies and environmentally conscious processes to minimize our ecological footprint.

Our commitment to a green future extends to our state-of-the-art factory, where eco-conscious design, waste reduction strategies, and renewable energy solutions converge, creating a sustainable haven that reflects our dedication to environmental stewardship.







Dual-core 1.0 GHz  
ARM Cortex A7

# HUMAN RESOURCE

## INTRODUCTION

**Our team is a powerhouse of skilled professionals, bringing top-tier expertise and extensive experience to every project.**

A highly capable and seasoned workforce, our team is dedicated to delivering exceptional results with precision and proficiency.

With a track record of success, our team comprises talented individuals who excel in their fields, ensuring quality outcomes through their collective mastery and hands-on experience.

## ABILITY TO RAMP-UP LABOR WORKFORCE

### Flexible Staffing Solutions:

We have developed CV bank and established partnerships with reputable recruitment agencies to ensure a steady pool of skilled and qualified workers. Our recruitment processes are streamlined and efficient, allowing us to quickly onboard new team members as needed.

### Training and Development Center:

**25.000 annually** well-trained and skilled graduates from 36 universities and colleges, 70 vocational centers

**589.583 (2020)** labor supply arriving from other Central provinces.

Tech workforce is growing stable (low turnover rate, almost no strikes)



# 04

## CUSTOMERS PARTNERS



### OUR CUSTOMERS



### OUR PARTNERS







# 05

## CONCLUSION



- Quality Commitment ; At highest QMS standard
- Highly Competitive labor & Inhouse cost
- 12,500 Sqm Green, digital, 4.0 automated Factory with clean room
- CO2 Credits available
- Available support to make Export License to US & MENA
- Top-Notch MES 4.0
- High qualified operational and development team at service of customer





**“Advanced Technology  
- Pioneering Quality”**





# Trung Nam Electronics Manufacturing Services

## ADDRESS

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Hoa Lien Village, Hoa Vang District, Danang City

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## WEBSITE

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