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Yangon, Myanmar



# Energy & Environment Enterprise

EMTEK always commits to providing top-notch solutions and exceptional services. For every client and partner, we cherish each opportunity for collaboration. With EMTEK, you are unlocking the future with sustainable development and sustainable energy solutions, helping businesses advance further in every project.

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

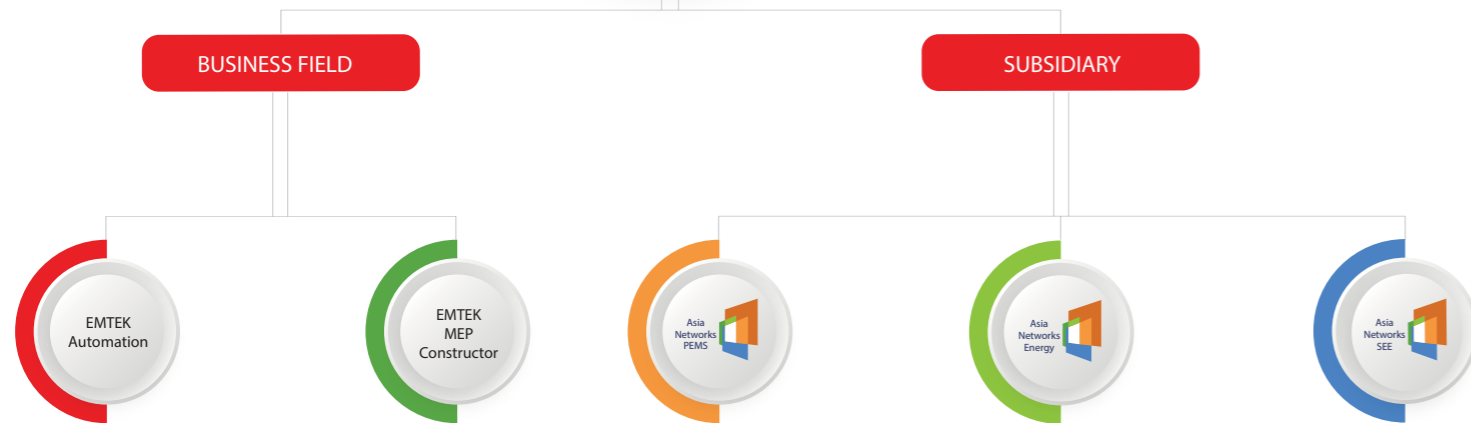
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# ABOUT EMTEK



In 2010, the IMF forecasted global trade recovery at 3.2%, particularly in Asia, including Vietnam. Recognizing the opportunity, on May 15, 2009, EMTEK was established with the aim of expanding into the international market and achieving sustainable development in the MEP (Mechanical, Electric, Pumping) sector. EMTEK has participated in major projects such as Hyundai, Vinashin Shipyard, and Samsung Electronics. To date, the conglomerate has expanded into Cambodia and Myanmar.

During its development, EMTEK's leadership recognized the potential of AI and IoT. To respond to this trend, EMTEK established the EMTEK Automation factory in Bac Ninh, becoming a primary supplier for Samsung and collaborating with CSOT in 2018.

Aware of the global trend toward digital and green transformation, developed countries have begun to enhance the establishment of "standards." Therefore, in 2018, EMTEK established Asia Networks PEMS (PEMS) and Asia Networks Energy (ANE) to promote energy conversion and emission reduction.

PEMS focuses on providing solutions and products for four main industries, including Thermal Power, Oil & Gas, Petrochemicals, and Wastewater Treatment. PEMS' goal is to collaborate with businesses in the industry to research and implement solutions to reduce CO2 emissions, aiming to achieve Net-Zero emissions by 2050 as set out by the Vietnamese government.

ANE focuses on developing renewable energy projects, implementing numerous rooftop solar energy systems. It also collaborates with Vinbatery to test BESS systems in solar energy projects, helping businesses store and utilize energy more efficiently, thereby saving energy and contributing to reducing CO2 emissions.

In 2021, EMTEK established Asia Networks See (SEE) in collaboration with Samsung Engineering to build wastewater treatment projects for provinces and cities in Vietnam under the public-private partnership (PPP) model, contributing to the circular economy.

From its initial idea, EMTEK has become the key to a sustainable future, contributing to Vietnam's development and becoming a reliable partner in the energy and green technology sectors.

Despite the global financial crisis, EMTEK has grown strongly amidst the digital revolution and green transformation, becoming a trusted partner in the energy and green technology sectors while making significant contributions to the country's sustainable development.

# VISION - MISSION EMTEK

**Vision:** EMTEK aims to lead and be the top green transformation leader in Vietnam, offering intelligent and sustainable solutions for a greener future

**Mission:** to create sustainable development solutions with renewable energy to increase value for customers, shareholders, and our community continuously



## Integrity

Integrity is the cornerstone, ensuring that our high ethical standards remain a reliable ally for partners and clients.



## Quality

EMTEK transcends the mere provision of products and services; we position ourselves at the zenith of quality.



## Collaborate

Collaborate effectively with industry leaders to bring the best solutions to market, reinforcing our commitment to excellence and mutual growth.



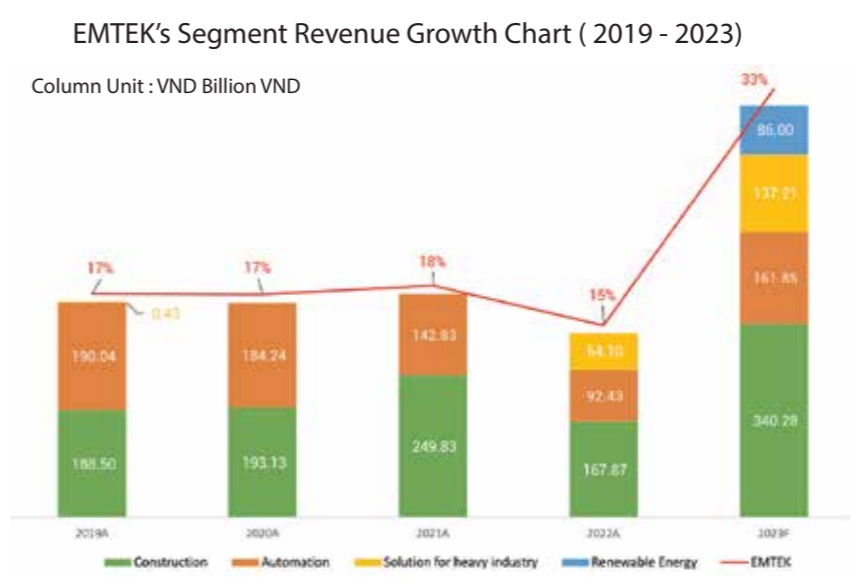
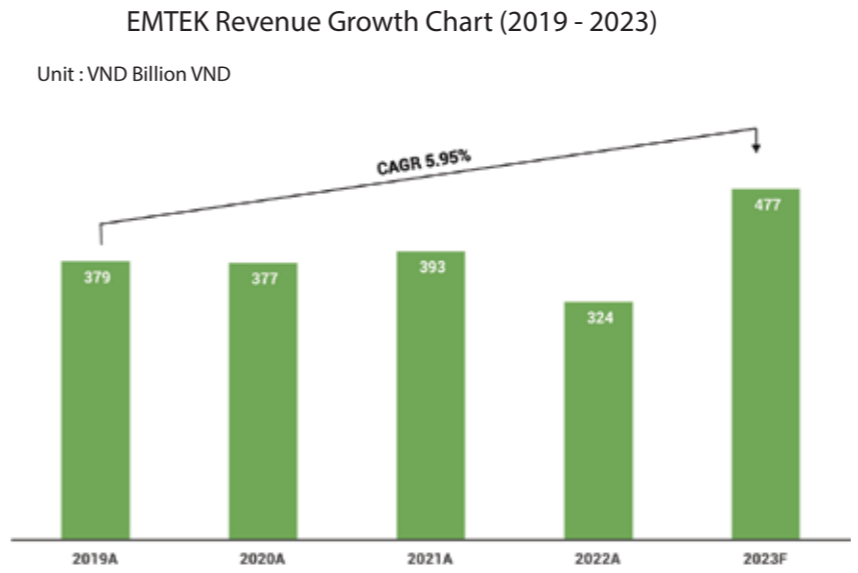
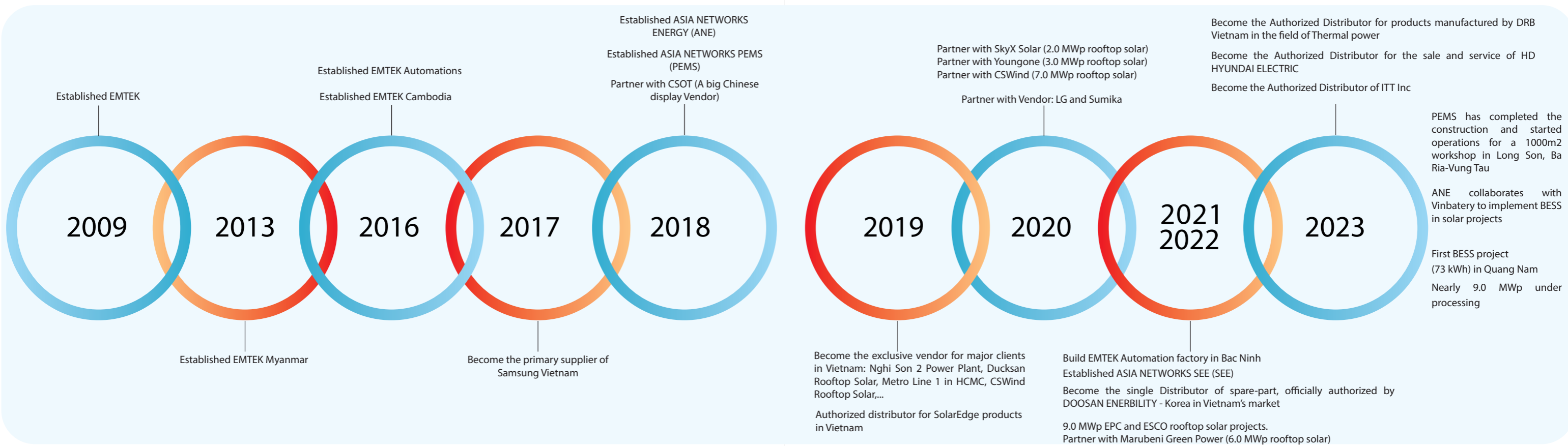
## Lead & Grow

Embodies our dedication to establishing industry benchmarks via outstanding leadership in our key sectors, we emphasize not just robust profit margins but also the attainment of a distinct, prevailing market presence.

Our success is intricately linked with our clients, and our approach to collaborative growth underscores our commitment to forging enduring value and partnerships that withstand the test of time.



Leading Through Renewable Energy, A Step Towards Sustainable Development





# KEY MEMBERS

Mr. Lee Kyu Sang has been working at EMTEK since its inception. He graduated from the Korean Military Academy, the U.S. Naval Postgraduate School, and the Korean Army College. Before focusing on business, he served in the South Korean Army, holding various key positions such as Company Commander in the Demilitarized Zone (DMZ), participating in the United Nations peacekeeping force in East Timor, and serving as a cost analysis officer for the acquisition of weapons systems by the South Korean Army. In 2006, after retiring from the military, he transitioned to the telecommunications sector, holding the position of CEO at Once Telecom. Through three terms as Chairman of the Board of Management, he provided strategic direction and made investment decisions to expand EMTEK's system with 1 factory and 2 subsidiary units.

**Mr. Lee Kyu Sang**  
Chairman



**Mrs. Kieu Hoang**  
Vice President - CEO

Ms. Hoang Thi Kieu holds the position of Vice Chairman of the Board of Managements and CEO at EMTEK. She graduated with a bachelor's degree from the University of Economics Ho Chi Minh City, with over 15 years of management experience in various industries such as steel, fast-moving consumer goods, retail, and technical equipment & solutions. She has held COO & CEO roles in many companies. By optimizing operations through the integration of international standards and market insights through M&A deals, she has created significant value and sustainable development for the company.



**Mr. An Chang Min**  
Member of Board Management - CEO of Production

Mr. An Chang Min is the Director of Production at EMTEK, a leading expert in the development and installation of software for semiconductor devices and LCD screens. He graduated from Kumoh National Institute of Technology and previously held senior management positions at Samsung Electronics. With 30 years of experience accumulated at Samsung Display & Electronics, Mr. An Chang Min plays a crucial role in EMTEK's development in this field.



**Mr. Jung Jae Won**  
Member of Board Management - CEO of Asia Networks Energy

Mr. Jung Jae Won, a Member of the Board of Managements at EMTEK and also the Director of the subsidiary company Asia Network Energy (ANE), has extensive experience and an impressive career history. Before joining EMTEK, he worked at Samsung for over 9 years, participating in numerous important projects. Subsequently, he spent 3 years at Vietnam Intel and 3 years as CEO of Huy International. He also participated in the Nhiêu Lộc - Thị Nghè wastewater treatment plant project for 1 year. He has been working at EMTEK for over 6 years, contributing to the company's development and success in various fields.



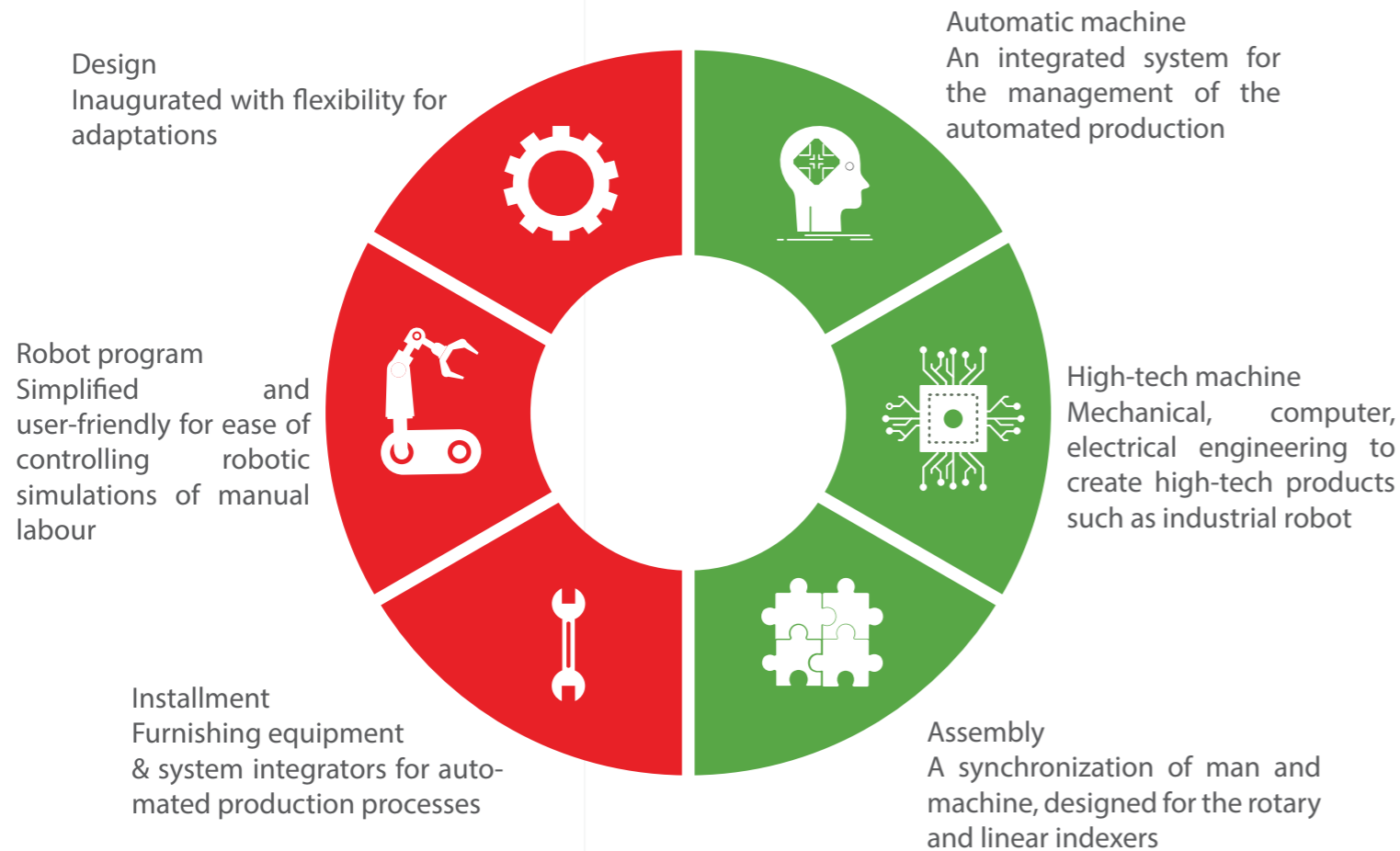


# EMTEK AUTOMATIONS

EMTEK Automations representing breakthroughs and advancements in the field of automation. In an era where Net-Zero trends and digital transformation are reshaping how businesses operate, EMTEK has shaped the future with advanced automation solutions.

Automations is an industry trend, besides, also an essential part of the Net-Zero goal, helping minimize environmental impact. EMTEK understands this and is providing automation solutions to optimize production processes and protect the environment. By optimizing energy and resource usage, EMTEK helps businesses save costs and contribute to the shared goal of creating a sustainable future.

Founded in 2016, EM-TEK Automation is one of the pioneering and professional companies in Vietnam specializing in Robotics & Automation. Our solutions include the design of automated machines and high technology, robot programming, machine installation, and assembly lines.



# EMTEK AUTOMATIONS KEY PRODUCTS



IR Tape Attach machine



IC Tape Attach machine



Pre-bending Machine



Bending Unloader Machine



BPL Buffer Loader machine



A-Lami machine



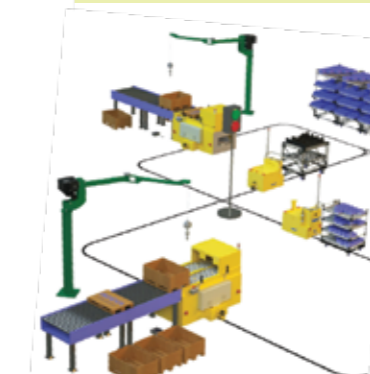
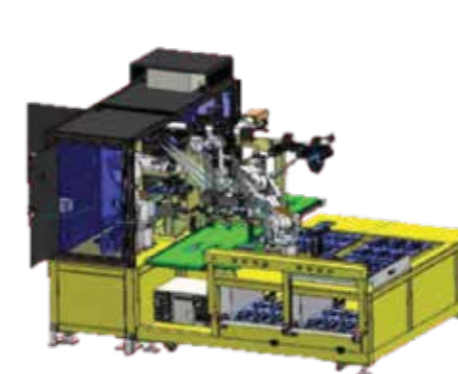
C-Flip Machine



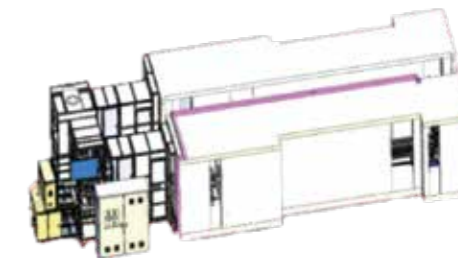
WFD1-WFD2-WFD3 Machine

## Products Underdevelopment

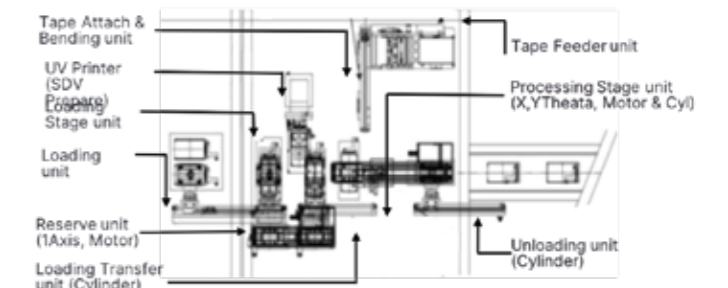
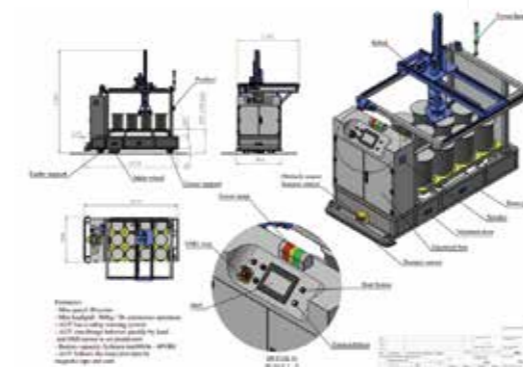
Modernizing the production line to the customers' satisfactory



Automated guided vehicle (AGV) / Autonomous mobile robot (AMR)



Aging system



Bending machine



# ASIA NETWORK ENERGY

Asia Networks Energy JSC (ANE) emerged as a reflection of the strong breakthrough in the global renewable energy industry, particularly in Vietnam in 2018. In the context of significant economic changes both globally and in Vietnam, ANE appeared as a positive force, aiming for a vision of a sustainable future and actively participating in the “green” transformation of businesses and society.

As of now, ANE has collaborated with partners like Marubini and SkyX Solar, implementing over 30 rooftop solar projects for Korean and Japanese clients in Vietnam, with a total capacity exceeding 30MW. ANE’s goal in the next five years is to research and collaborate with partners in developed countries to implement Virtual Power Plants (VPP) – connecting distributed energy sources such as wind farms and solar parks to monitor, forecast, and optimize energy consumption, contributing to Vietnam’s government goal of achieving “0” net emissions by 2050.

Asia Networks Energy commits to continue efforts to achieve zero net emissions and support customers in enjoying the benefits of solar energy while optimizing business value through innovative energy services and solutions. We believe that through technology and innovation, we can continue to grow and contribute to building a sustainable future and a circular economy. In addition, ANE takes pride in a global partner network, sharing a vision and values. Together, we have implemented many large-scale projects, providing clean, efficient, and sustainable energy to communities.

# ASIA NETWORK ENERGY Highlight Projects



Name : Woosin Vina  
Location : Nghe An Province, Vietnam



Name: Ducksan Vina  
Location: Quang Nam Province, Vietnam



Name: CS Wind Factory  
Location: Ba Ria – Vung Tau Province, Vietnam



Name: Haivina Kim Lien  
Location: Nghe An Province, Vietnam



Name: Taekwang  
Location: Dong Nai Province, Vietnam



Name: Namkyung Vinat  
Location: Binh Duong Province, Vietnam



Name: Broadpeak Soc Trang  
Location: Soc Trang Province, Vietnam



Name: Hanwha Cam Lam Solar Farm  
Location: Cam Ranh, Vietnam



Name: Anpha-AG  
Location: Long An Province, Vietnam



Name: Haivina Hong Linh  
Location: Ha Tinh Province, Vietnam



Name: All Green Vina  
Location: Binh Duong Province, Vietnam



Name: ASIA Office  
Location: HCM City, Vietnam

## Asia Networks Energy & The Sustainable Energy Journey

- 2018: Established Asia Networks Energy
- 2019: Authorized distributor for SolarEdge products in Vietnam
- 2020: Partner with SkyX Solar, Youngone, và CSWind,.. to install rooftop solar projects.
- 2021: Deploying Solar Energy projects with a total capacity of 9.0 MWp. In the same year, ANE became a partner with Marubeni Green Power (6.0 MWp rooftop solar)
- 2022: 9.0 MWp. In the same year, ANE became a partner with Marubeni Green Power (6.0 MWp rooftop solar)
- 2023: Asia Networks Energy signed a cooperation agreement with Vinbattery to deploy rooftop solar projects combined with battery energy storage solutions (BESS) and charging stations. The first smart electric car in Vietnam





# ASIA NETWORK PEMS

Since its establishment in 2018, **Asia Networks PEMS (PEMS)** has built a stable and sustainable reputation. We focus on providing high-quality industrial equipment, spare parts, and comprehensive technical services. PEMS is not only a supplier of equipment but also a reliable partner in crucial industrial sectors such as Thermal Power, Oil & Gas, Oil Refining, and Wastewater Treatment.

PEMS is committed to delivering reliable solutions for plants to enhance efficiency and reduce CO2 emissions by providing maintenance services and training for power plants, collaborating on biomass fuel conversion, increasing lifespan, and environmental friendliness for power plants.

Furthermore, we set long-term goals and directions towards Zero Emissions and providing solutions to minimize and mitigate CO2 for PEMS partners and clients. This strengthens PEMS's position in the market as a reputable service and technical company in Vietnam.



# ASIA NETWORK PEMS PRODUCTS & SERVICES



## TEST RUN & OPERATE THE CONTROL CENTER

PEMS will provide the best solution to perform testing activities, operate HMI interface controls, work-station with optical cable transmission line, modern Field Bus signal, with thousands of I/O interface (input/output)

## TECHNICAL CONSULTING SERVICE

PEMS will bring to our clients a comprehensive solution, not only a consultant service, also an effected maintenance solution and technology upgrade solutions

## REPAIRING, MAINTAINING, MACHINING & FABRICATING SERVICES IN EQUIPMENT

PEMS provide you more than a solutions:  
1. Equipment-repair & maintenance service: Pump, Valve, Industrial machine...  
2. Processing and manufacturing steel structure, technology pipes, insulation.  
3. Provide industrial scaffolding installation services

## MECHANICAL TESTING AND WELDING PROCESS

1. Tensile testing of the materials (horizontal & vertical dragging, dragging the thickness), horizontal dragging at welds, dragging the whole weld, Bulong dragging ...  
2. Bending test for the materials and the welds  
3. Impact test (from - 196 degrees Celsius to environmental temperature)  
4. Groove welds breaking test, breaking origin welds

## MATERIAL COMPOSITION ANALYSIS

The best service to help to testing and analysis of samples, mixtures of materials, or unknown materials through our cutting-edge technologies: emission spectroscopy machine and PMI handheld machine

## TESTING, ANALYZING OTHER PROPERTIES OF MATERIALS & WELDS

We provide the test and analysis in following methods:  
1. Microorganism Test  
2. Grain Test  
3. Microstructure test  
4. Particle Size Analyzer  
5. HIC, SSIC, CTOD, ...

## NON-DESTRUCTIVE TESTING

PEMS offers Non-Destructive Testing programs for a wide range of industry sectors. In response to request, testing can be performed during production, post-production, in-service and post-repair. The test is applied based on most recent technologies such as: MT, PT, UT, RT and PAUT, TOFD,...

## SUPERVISION CONSULTING SERVICES, CERTIFICATING SERVICE FOR THE WELDING PROCESS AND WELDER'S COMPETENCE

Beside of providing the service of consulting to your welding process and enhance its performance. We also give out to our clients a certified service to reach international-standard certifications from hands-on training, expert's guidance and qualification test for welding methods and materials and welder capacities such as: ISO, AWS, ASME

## CALIBRATION OF PRESSURE, FLOW, TEMPERATURE AND ELECTRICAL EQUIPMENT, TESTING AND REPAIRING OF VALVES, FIRE & GAS EQUIPMENT

Our core competencies are our engineers are highly skilled and knowledgement, experienced in Oil & Gas field for over 20 years with the Lab reached VLAS and ISO/IEC 17025 standards.

Calibration of spring manometer and digital display Pressure transducer, pressure switch, differential pressure level transducer, flow ....

## INDUSTRIAL ASSESSMENT SERVICE

An additional & valuable service for PEMS's clients with our program to help you identify technology, systems, and productivity opportunities that result in increasing energy efficiency, reducing waste, and providing better financial results for following parts



# EMTEK MEP CONSTRUCTOR

EMTEK - MEP Constructor, established in 2009, is one of the contractors involved in large-scale national and international projects such as the Nghi Son Refinery Project, NS2 BOT Thermal Power Plant, MRT Line 1 CP2 Project, HAGL Myanmar Center Project, and SEMV Thai Nguyen Project.

Overcoming the challenges of the global financial crisis, EMTEK has stood firm and clearly affirmed its strengths. Additionally, it continuously seeks opportunities and shapes the future in the digital revolution and green transformation, contributing to increasing the economic value chain in Vietnam.

EMTEK expanded its scale in 2013 in Myanmar and in 2016 in Cambodia.

EMTEK-MEP Constructor solutions include:

- Mechanical
- Electrical
- Pumping



# EMTEK - MEP CONSTRUCTOR HIGHLIGHT PROJECTS



Name: SEVT Metal3D Glass Project  
Location: Thai Nguyen, Vietnam



Name: Nghi Son Refinery and Petrochemicals  
Location: Thanh Hoa, Vietnam



Name: NS2 BOT Thermal Power Plant  
Location: Thanh Hoa, Vietnam



Name: HCMC MRT Line 1 CP2 Project  
Location: HCMC, Vietnam



Name: HAGL Myanmar Centre  
Location: Yangon, Myanmar



Name: Serenity Sky Villas  
Location: HCMC, Vietnam



Name: Vin City Grand Park APT  
Location: HCMC, Vietnam



Name: SEMV-W.W.T  
Location: Thai Nguyen, Vietnam



Name: KOLON KVT-1 Factory  
Location: Binh Duong, Vietnam

EMTEK executes through innovation and expertise, always dedicated to clients and partners, delivers outstanding solutions and long-term value to customers, contributing to sustainable societal and industrial development.





# EMTEK - MEP CONSTRUCTOR

## Lisence & Certificate



# ASIA NETWORK

## SEE

Asia Networks SEE was established in 2021 to address urgent and difficult environmental management situations in Vietnam. EMTEK's member company – Asia Networks SEE was established with the primary goal of addressing wastewater discharge and environmental pollution in Vietnam. By implementing wastewater treatment projects (WWTP) for urban areas and industrial zones, they aimed to improve the quality of community life.

The vision of Asia Networks SEE is to move towards a sustainable future, where businesses transform into a “green” image and contribute to balancing society and the environment by providing clean water to people through the construction and installation of wastewater treatment plants (WWTP) to ensure a green, clean, and beautiful living environment for the people.

Currently, SEE implements WWTP (Wastewater Treatment Plant), providing solutions related to wastewater treatment plants. We research and design technologies to efficiently remove pollutants and impurities from wastewater before safely returning it to the environment.

In the future, SEE plans to implement more projects related to wastewater treatment operations, using modern and professional technologies for urban areas and neighboring factories in all provinces and cities of Vietnam. This not only establishes a foundation and experience for sustainable development domestically but also marks a step towards expanding operations to other countries in the Southeast Asia region.





# Clients



# Partners

