天宇工業股份有限公司
Formosa electronic industries inc.

Stock Code: 8171

Dec. 29, 2025

Future Energy, Inspiring Innovation.

Disclaimer

This presentation contains forward-looking statements regarding the Company's future operations. Such statements are subject to risks and uncertainties and may not be realized. The actual future operating results, financial position and business outlook of the Company may differ materially from those expressed or implied in these forward-looking statements due to various risks beyond the Company's control.

The forward-looking statements in this presentation reflect the Company's current views as of the date hereof and should not be construed as legally binding commitments. The Company undertakes no obligation to update or revise any forward-looking statements in response to subsequent developments or changes.

01 Company Profile

Company Profile

Formosa Electronic Industries Inc.

Date of Establishment

October 1, 1983

Address of Head Office

5th Floor, No. 8, Lane 130, Minquan Road, Xindian District, New Taipei City (Fareast ABC industrial zone)

Plants / Subsidiaries

Xindian Bonded Plant
Zhubei Bonded & Energy Storage Plant
Dayuan Production Line (in line with domestic production regulations)

Taipei City (Quark)
Dayuan (Tianchengyun)

Jiangsu (Kunshan Million Gold Tianyu)

Number of employees

200 people

Paid-in capital

NT$1.126 billion

Professional Energy Storage System (ESS) Manufacturing & Total Renewable Energy Solution Provider

Major Events in the year

Formosa Electronic Industries Inc.

Established an electromechanical engineering company, entering MEP engineering, including power systems, low-voltage systems, fire protection, plumbing, and HVAC works.	March
Shareholders' meeting approved an investment of NT$500 million in Quark Energy Group.	March
Sanlih E-Television Group participated in a private placement, investing NT$875 million in FEII.	April
Entered the energy saving engineering sector, prioritizing hospitals as the initial target market for energy-saving solutions.	June
A U.S.-based customer announced liquidation; accounts receivable of NT$200 million were fully provided for as doubtful debts.	June
The Yunlin 100 MW energy storage project obtained Taipower grid interconnection approval and is scheduled to commence construction in 2026.	July

Product & Business Progress

Formosa Electronic Industries Inc.

■ Solar Power Generation & EPC Engineering
■ Electromechanical Engineering
■ Energy Saving Engineering

2025~

Energy storage cabinets & energy storage systems

2020~

Lithium battery modules for mobile phones,
3C products, and electric two-wheelers

2000~

Audio-visual equipment &
power supply products

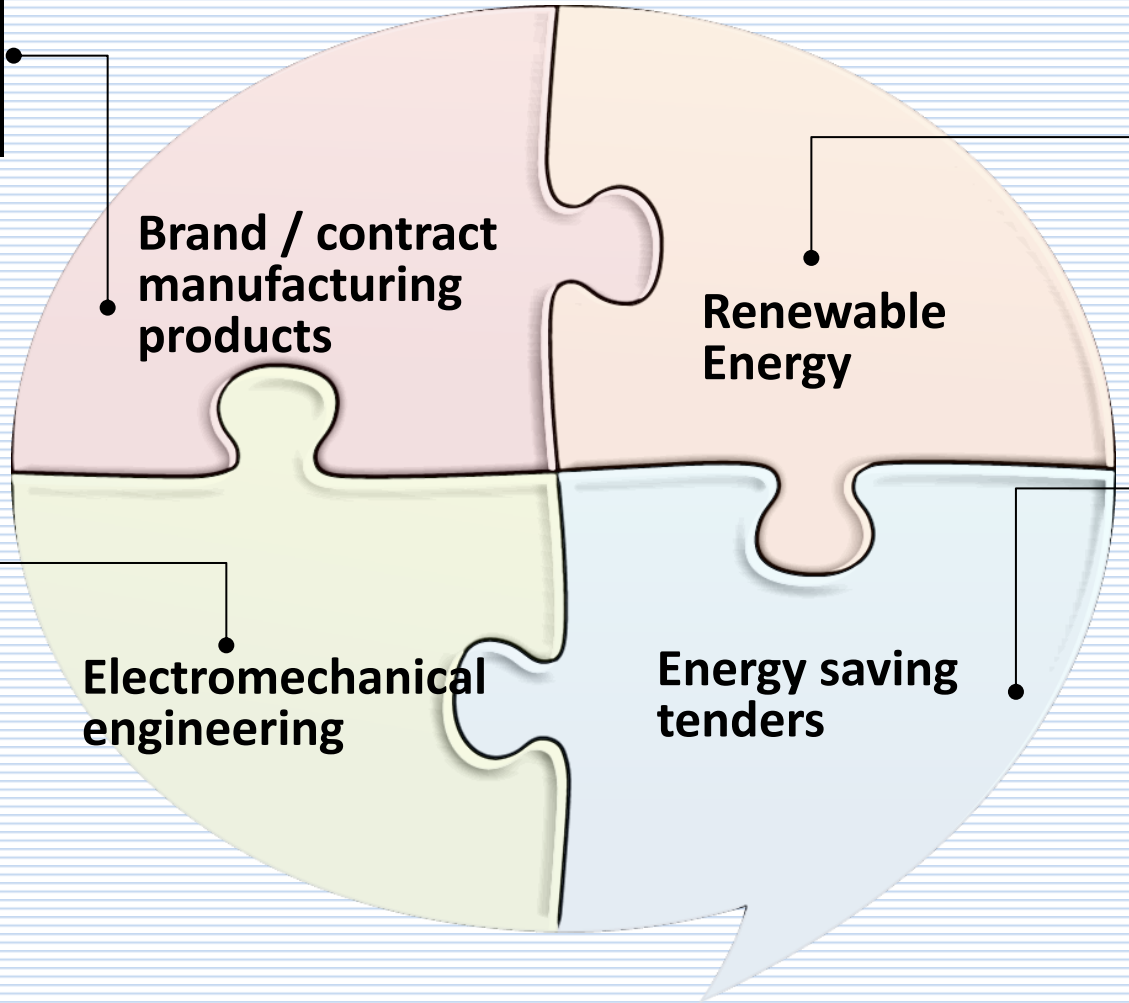
~1999

Business Scope

Formosa Electronic Industries Inc.

Under the integration of the four major development pillars of “Generation, Storage, Efficiency, and Intelligence,” business applications are categorized as follows:

OEM/ODM manufacturing of energy storage cabinets and battery module applications; revenue contribution: 65%



Proprietary power generation projects, project development, EPC engineering, integration of various green power facilities, and sales of green electricity and certificates; revenue contribution: 29%

Integrated electromechanical engineering services including power systems, low-voltage systems, fire protection, HVAC, plumbing, and central monitoring; revenue contribution: 6%

Smart control equipment applied to HVAC, lighting, and power systems to improve energy efficiency and reduce electricity consumption costs; revenue contribution beginning from Q4

02 Business Performance

First 3 quarters of 2024 vs First 3 quarters of 2025

Formosa Electronic Industries Inc.

NT$199,059 thousand
Consolidated Revenue
YoY-76%

NT$18.2
Net value per share
YoY-13%

NT$2,037,497 thousand
Shareholders' equity
YoY28%

NT$-417,637 thousand
Profit or loss after tax
YoY-1,008%

563%
Quick ratio
YoY318%

NT$111,841 thousand
Capex
YoY35%

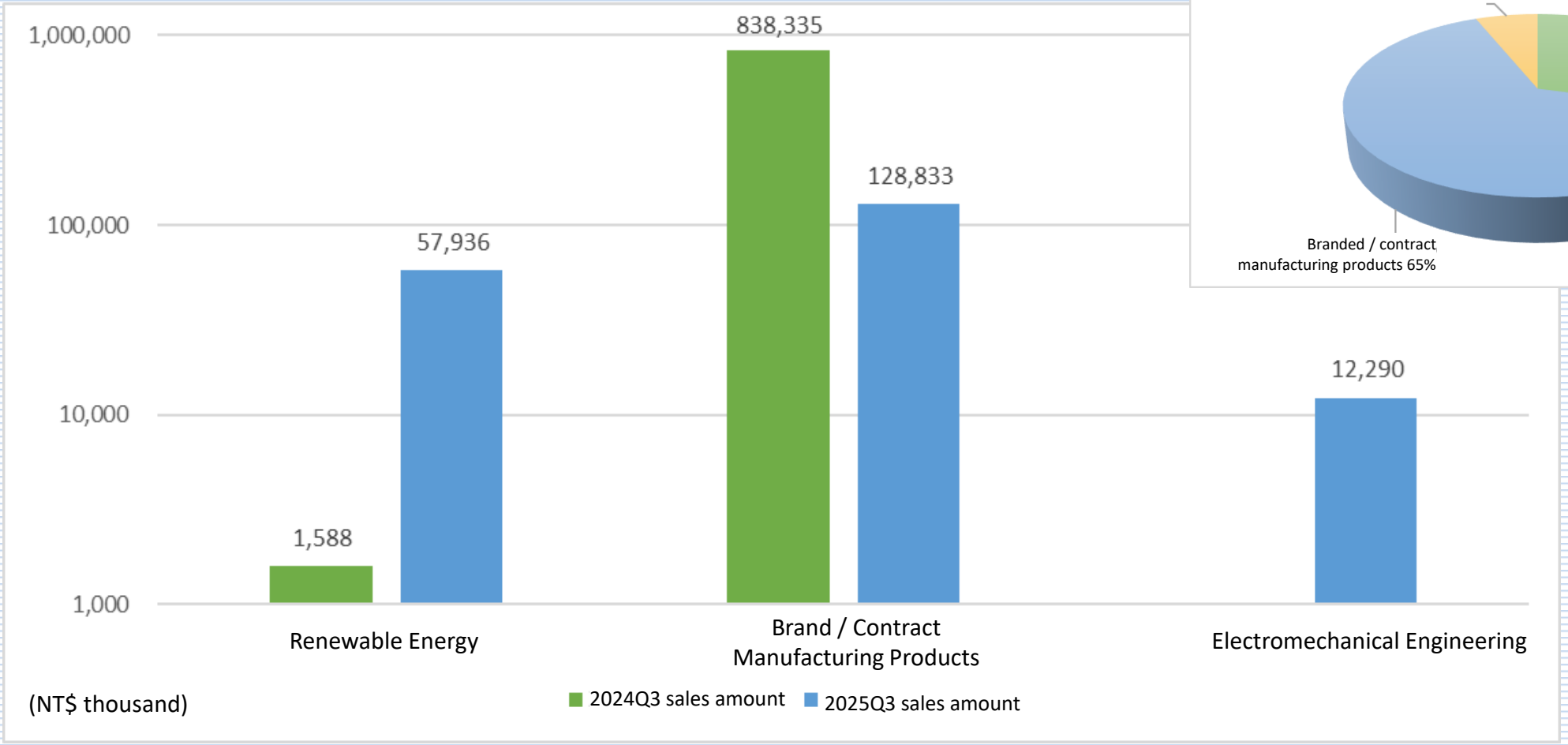
NT$-4.13
EPS
YoY-780%

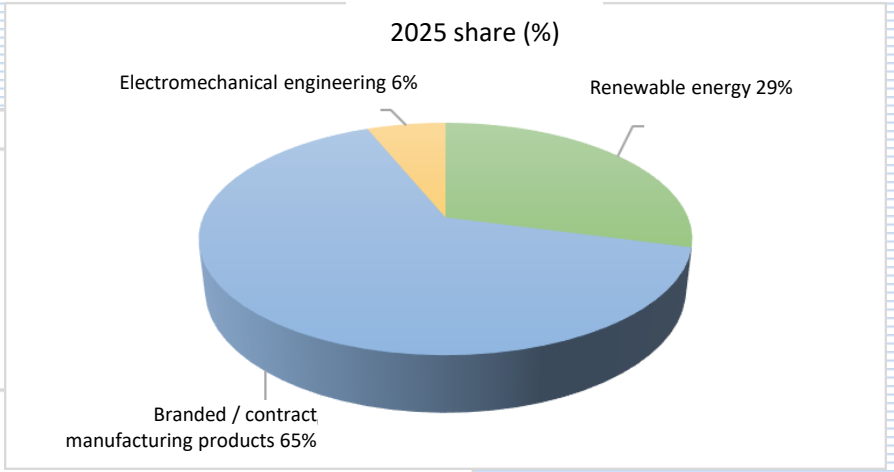
26%
Debt ratio
YoY25%

NT$291,311 thousand
Cash inflow
YoY240%

Revenue breakdown

Formosa Electronic Industries Inc.





03 Operational Outlook

Behind-the-Meter Energy Storage – 1

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"Behind-the-meter energy storage" refers to the installation of energy storage systems on the customer side of the electricity meter, directly serving end users such as households, factories, and commercial buildings. The purpose is to store lower-cost electricity during off-peak periods and discharge it during peak periods to reduce electricity costs (peak shaving and valley filling), enhance power supply stability, increase self-consumption of green electricity, and provide backup power.

According to Global Market Insights, the global behind-the-meter energy storage market is projected to expand rapidly at a compound annual growth rate of approximately 19.5% from 2025 to 2034, with market value expected to reach USD 269.5 billion by 2034.

POXA estimates that total behind-the-meter energy storage capacity in Taiwan could reach 5 GWh, equivalent to the electricity consumption of approximately 5 million households.

Favorable factors driving behind-the-meter energy storage development in Taiwan,

Expansion of electricity prices and price differentials

Industrial electricity prices increased by 12.5%, with peak-to-off-peak price differentials reaching up to 4x, or NT$9.5 per kWh

NT$5 billion in government subsidies over four years

For energy storage equipment using domestically produced battery cells, a subsidy of NT$5 million per MWh is provided, with a maximum of NT$50 million per project

The Energy Administration has designated 5,085 energy users under regulatory oversight – mandatory market

Users with contract capacity of 5,000 kW or above are required to install energy storage equal to 10% of contract capacity; users with 800 kW or above must participate in demand response and trading platforms to achieve energy-saving targets

Behind-the-Meter Energy Storage – 2

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FEII energy storage products

Energy storage containers

10-ft 1 MWh energy storage container

- FE-1000
- 896V 1,120Ah / 1 MWh)

20-ft 2.5 MWh energy storage container

- FE-2500
- 896V 2,800Ah/2.5MWh)

Industrial and commercial energy storage

Rack250kWh (indoor type)

- FEII-250R
- 896V 280Ah / 250.88 kWh

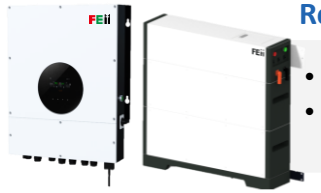
Rack250kWh (outdoor type)

- FEII-250RO
- 896V 280Ah / 250.88 kWh
- IP45 / upgradeable to IP55

Rack250kWh (air-conditioned type)

- FEII-250R
- 896V 280Ah / 250.88 kWh
- IP55

Residential energy storage



Residential energy storage 15 kWh

- Nominal capacity 15.616 kWh
- Compatible with 6 kW / 10 kW Hybrid Inverter

Residential energy storage 30 kWh

- Nominal capacity 31.232 kWh
- Compatible with 15 kW Hybrid Inverter

Coming Soon !

20-ft 5 MWh liquid-cooled energy storage container

All-in-one unit 261 kWh

RPC Certification

Residential energy storage

15kWh (6kW / 10kW Hybrid Inverter)

30kWh (15kW Hybrid Inverter)

Behind-the-Meter Energy Storage – 3

Formosa Electronic Industries Inc.

With FEII's "Zero-Cost Trial Program," enterprises can deploy energy storage systems with no upfront investment. The trial period is 6 months, during which enterprises only pay electricity charges at 80% of Taipower's tariff. The FEII team assists with planning peak shaving and valley filling schedules, allowing cost-saving benefits to be realized immediately. Upon completion of the trial period, enterprises may choose flexible and cost-effective cooperation models such as leasing, purchase, or profit sharing based on actual results.

Peer solution comparison (source: Liberty Times Net)

Energy storage providers "Zero-Investment / Low-Barrier" solution comparison

Provider	Program name	Enterprise investment method	Profit-sharing / revenue model	Trial features / period
HD Renewable Energy – Star Trade	ETF5050 behind-the-meter energy storage sharing program	Zero investment (refundable deposit only)	Up to 50:50 profit sharing	Highest interest from heavy industry
Formosa Electronic Industries Inc.	Zero-Cost Trial Program	Completely zero investment	Electricity charges at 80% during trial; leasing / purchase / profit sharing available after trial	6-month trial period
YIHO Inc.	Zero-interest equipment or full-investment program	Zero investment	**Option 1**: Recovery in first 6–7 years, full ownership by enterprise in years 8–9 **Option 2**: 12–15% profit sharing for 15 consecutive years	Long-term contracts up to 15 years
Eaton Corporation	-	-	Provides testing and verification at the Xizhi "Critical Power Quality Energy Storage Laboratory"	Comprehensive simulation testing prior to commissioning

Data source: respective companies Chart design: Chang-Ling Jin

Behind-the-Meter Energy Storage – 4

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FEII Track Record

1 Linkou Project Site


2 Huanhe Project Site


3 Sun Yat-sen Memorial Hall, Cuihengcun Mingxia Building


4 Da'an Forest Park green energy mobile unit


5 Yangmei Project Site

6 United University Project Site


7 E-cube PACK application (mobile)


Solar Power – 1

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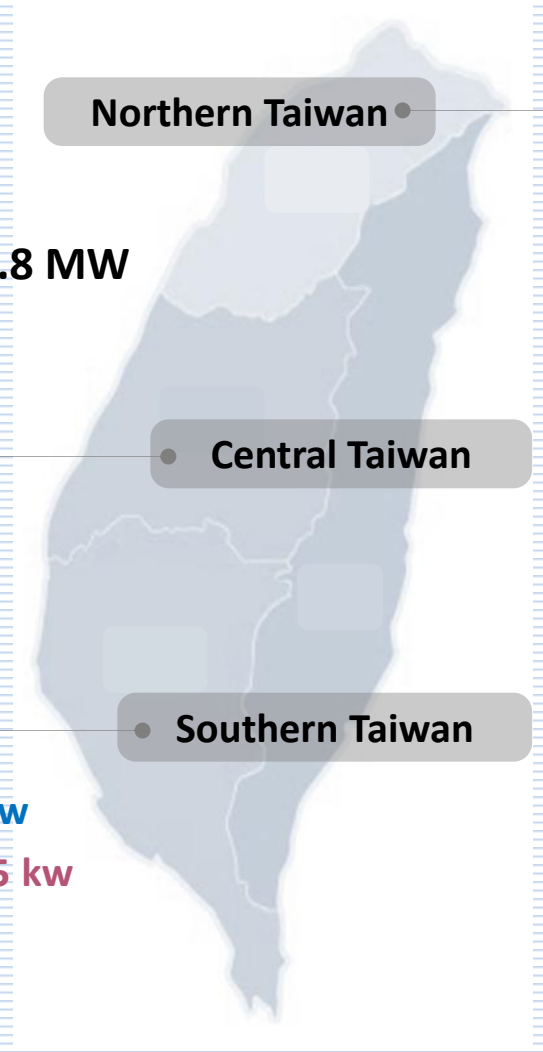
- **Solar photovoltaic self-owned power generation sites**
  5.2 MW in operation + 6.9 MW under construction, total 12.1 MW
- **EPC Engineering**
  Under construction and planned projects totaling approximately 31.8 MW



● 1,877.11kw
◆ 1,180.442 kw

● 2,233.485kw
◆ 1,999 kw

● 8,052.53 kw
◆ 28,623.285 kw

● : Solar self-owned sites
◆ : EPC engineering projects

Solar Power – 2

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In the energy transition, “creating green electricity at the source” is the foundation of everything. Renewable energy targets clearly set a goal of reaching 30% of the power mix by 2030. It is estimated that Taiwan enterprises’ demand for green electricity could reach 40 billion kWh by 2030, and further challenge 170 billion kWh by 2040.

FEII will continue to acquire grid-connected power generation projects, expand self-owned power generation capacity, and achieve leapfrog growth. At present, there are 12 project sites totaling approximately 4.8 MW under signed transfer agreements, and nearly 100 MW of project sites pending acquisition evaluation. The target is to reach over 50 MW of cumulative holdings by 2026, which will provide long-term, stable contributions to revenue and profitability.

Our subsidiary Quark Energy Group provides integrated one-stop services from power generation to power sales, covering:

Quark Engery Group

Renewable energy development

Development, permitting, and construction of multiple types of solar PV projects

Green power wheeling

Assisting enterprises with green power wheeling and certificate sales

Corporate sustainability services

Corporate inventory and carbon reduction planning services

Energy savings engineering

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The Ministry of Economic Affairs is promoting the "Deep Energy Savings Promotion Plan," with planned investment of NT$35.3 billion from 2024 to 2027, to enhance energy efficiency. The program is expected to facilitate 20.6 billion kWh of electricity savings, equivalent to a carbon reduction effect of 10.18 million metric tons. Energy saving efforts are based on diagnostic consulting, utilizing smart system-based active control equipment or equipment replacement to improve energy efficiency.

FEII began entering the energy savings market in Q2 2025, focusing on energy performance contracting (EPC) projects and HVAC engineering, with nationwide deployment and deep cultivation of the healthcare and public sector markets. To date, 13 engineering projects have been secured, with several additional tenders still under bidding and awaiting award.

Item No.	Tender name
1	Suao XX Hospital _ Energy Performance Contracting Project
2	Kaohsiung XX Hospital _ 400-ton Water Chiller Procurement Project
3	Taoyuan XX Hospital _ XX Branch _ 2025 Central Air Conditioning Chilled Water Chiller Procurement
4	XX Hospital _ Campus Air Conditioning Equipment Energy Performance Engineering Project
5	Taiwan Water XX Intake Station Energy Management System
6	Kaohsiung XX Hospital _ Water Chiller Installation and Instrumentation Measurement Project
7	Kaohsiung XX Hospital _ Water Chiller Installation and Instrumentation Measurement Project
8	XX Military Barracks Energy Management System Engineering Project
9	Suao XX Hospital _ Outpatient Building _ Air Conditioning Water Chiller Replacement Procurement
10	Kaohsiung XX Hospital _ Cooling Action Demonstration Operation Subsidy Program _ Medical Staff Dormitory Air Conditioning System Equipment Replacement
11	Kaohsiung XX Hospital _ Air Handling Units and W103 Negative Pressure Isolation Facility Replacement Procurement
12	Pingtung XX Township Office _ Disaster-Resilient Microgrid Operation and Maintenance
13	XX Telecom _ 2025 Base Station ESG Construction

Electromechanical engineering

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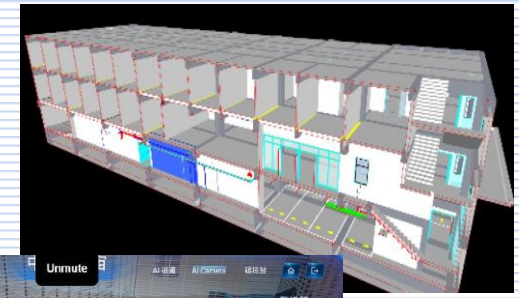
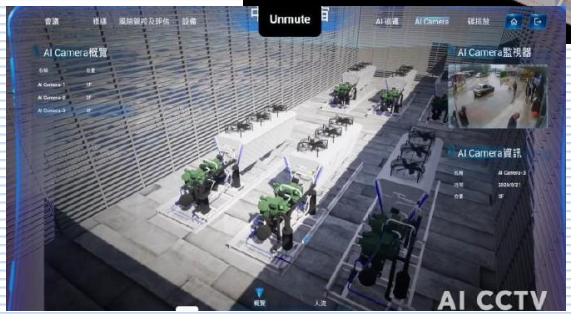
In March 2025, FEII entered the electromechanical engineering business, covering power systems, low-voltage systems, fire protection, plumbing, HVAC, and central monitoring systems, and integrating Industry 4.0 elements into the smart building domain.

The team is composed of automation systems and building electromechanical engineering professionals and has accumulated extensive collaborative experience in semiconductor manufacturing, traditional industries, public works, and construction projects.

Currently, five electromechanical engineering projects have been secured, located in New Taipei City (1 project), Tainan (3 projects), and Taitung (1 project), including factory-office buildings, dormitories, and hotels. Construction is scheduled to commence progressively from Q3, with project durations ranging from six months to three years, and revenue will be recognized based on the percentage of completion.





BIM Building Information Modeling

Digitizing architectural design, using 3D computer simulation to clearly visualize the building's exterior appearance and interior spatial details upon completion.

PMIS Construction Project Management Information System

Sharing real-time information to enable efficient communication, and incorporating energy management and carbon footprint management.

Yunlin Energy Storage Project Site

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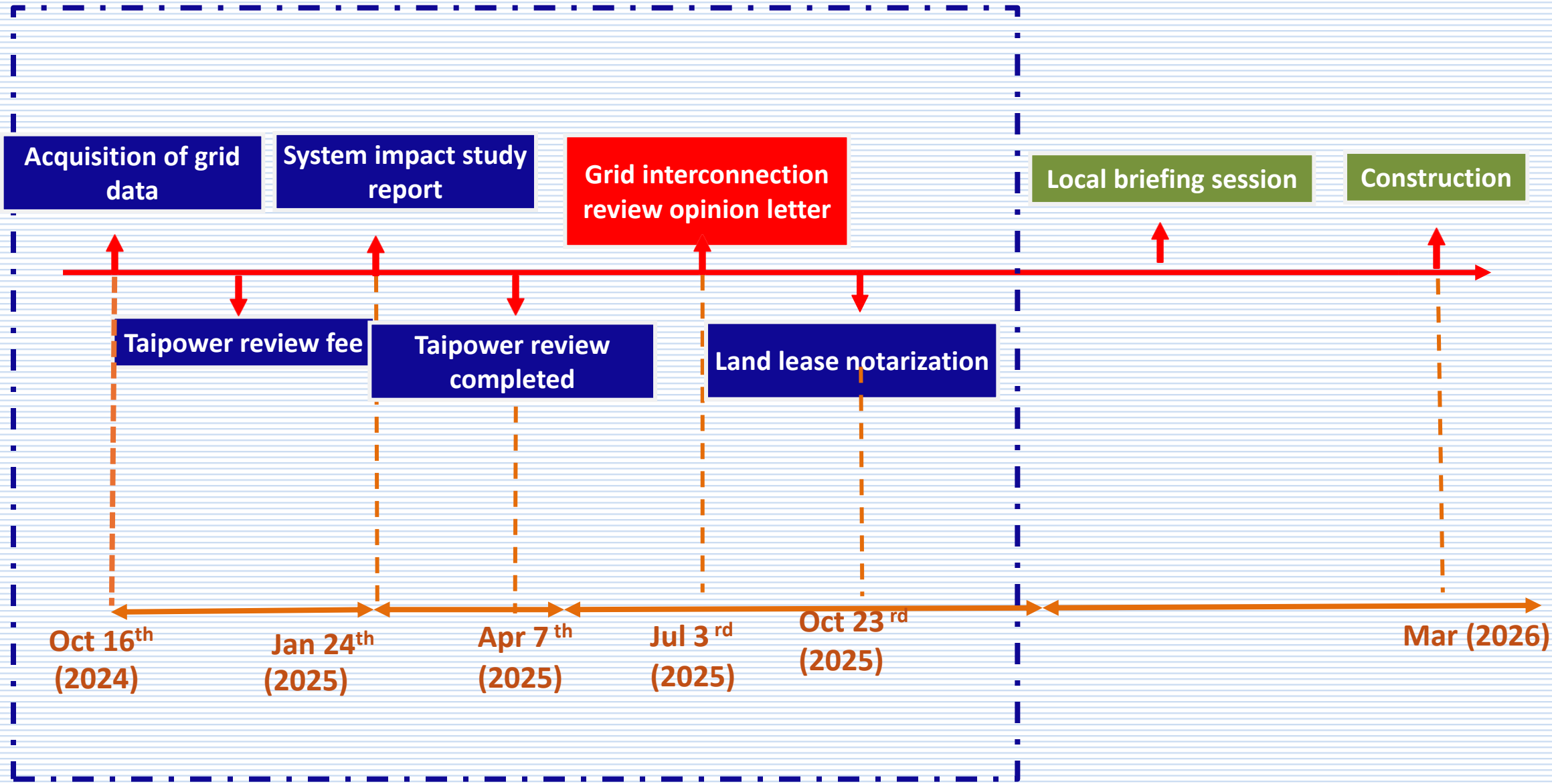

Japan Energy Storage – 1

Formosa Electronic Industries Inc.

Amid the global acceleration toward net zero transition, Japan is emerging as one of the most dynamic energy storage markets in Asia. Through subsidies, regulatory easing, and financial support, the Japanese government is comprehensively promoting renewable energy and energy storage deployment, driving the rapid formation of front-of-the-meter energy storage systems.

Since 2024, Japan has officially opened front-of-the-meter energy storage applications. Official estimates project energy storage battery demand to reach 24 GWh by 2030. Currently, the mainstream market consists of 2 MW / 8 MWh high-voltage energy storage projects. In the future, projects are expected to gradually expand to extra-high-voltage large-scale projects exceeding 30 MW, with market scale and application levels significantly higher than those in Taiwan. According to industry research, the Japanese energy storage system market size was approximately 15.1 GW in 2024 and is expected to reach 29.4 GW by 2033, representing a compound annual growth rate (CAGR) of 7.32% from 2025 to 2033. This demonstrates that energy storage has become one of the core infrastructure pillars of Japan's energy transition.

CommonWealth Magazine **interviewed several energy companies, indicating that under non-financed scenarios, IRRs can reach 20%–30%, and can exceed 40% after financing.**

Rapid Growth Trajectory
The Japanese government is actively promoting energy transition, and demand for energy storage continues to rise

Power Market Liberalization
Opening of the power market has created significant business opportunities for the energy storage industry

Renewable Energy Development
Increasing penetration of solar and wind power is driving demand for energy storage

Japan Energy Storage – 2

Formosa Electronic Industries Inc.

In addition to investing in the domestic solar power market, FEII is also actively expanding into the Japanese energy storage market. Recently, an SPV company was established in Japan, with an initial planned investment of approximately JPY 600 million to construct a 2 MW / 8 MWh energy storage project, which is expected to be connected to the grid in Q3 2026. Going forward, FEII will continue to expand its portfolio of energy storage projects in Japan and promote the sales of energy storage containers, establishing a second growth engine for FEII's overseas expansion.

Policy Support

The Japanese government is promoting energy diversification and carbon neutrality, and energy storage equipment benefits from various subsidies and preferential policies

Technological Edge

FEII's energy storage technology is well developed, with cumulative shipments reaching 3.58 GWh, providing strong competitive advantages

Risk Management

Japan's market has a well-established legal framework and a stable economy, reducing political and policy risks associated with overseas investment

Attractive Returns

Energy storage projects in Japan deliver double-digit returns, with short payback periods, creating considerable value for shareholders

Future Outlook

Formosa Electronic Industries Inc.

FEII will continue to deepen innovation in energy storage technology, expand domestic and overseas market presence and cooperation opportunities, adhere to the four development pillars of "Generation, Storage, Efficiency, and Intelligence," expand holdings of solar power projects and engineering works, and achieve breakthrough results in the Japanese market

Technological Innovation

Continuous R&D of innovative energy storage technologies, strengthening liquid cooling and all-in-one energy storage container technologies to enhance product competitiveness

Domestic Market Expansion

Integrating the four business pillars, focusing energy storage on the behind-the-meter market, while continuing investment in energy efficiency and electromechanical engineering businesses

International Market Expansion

Using Japan as the starting point to expand energy storage markets across the Asia-Pacific region

Expansion of Renewable Energy Development

Continuing acquisition of solar power projects for green electricity sales, and investing in public solar tenders as well as negotiating agency and distribution of solar modules

Thank you for your participation

Q&A

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