



Fortune Electric Co., Ltd.

TWSE Code : 1519

2021/12/14



華城電機股份有限公司
FORTUNE ELECTRIC CO., LTD.

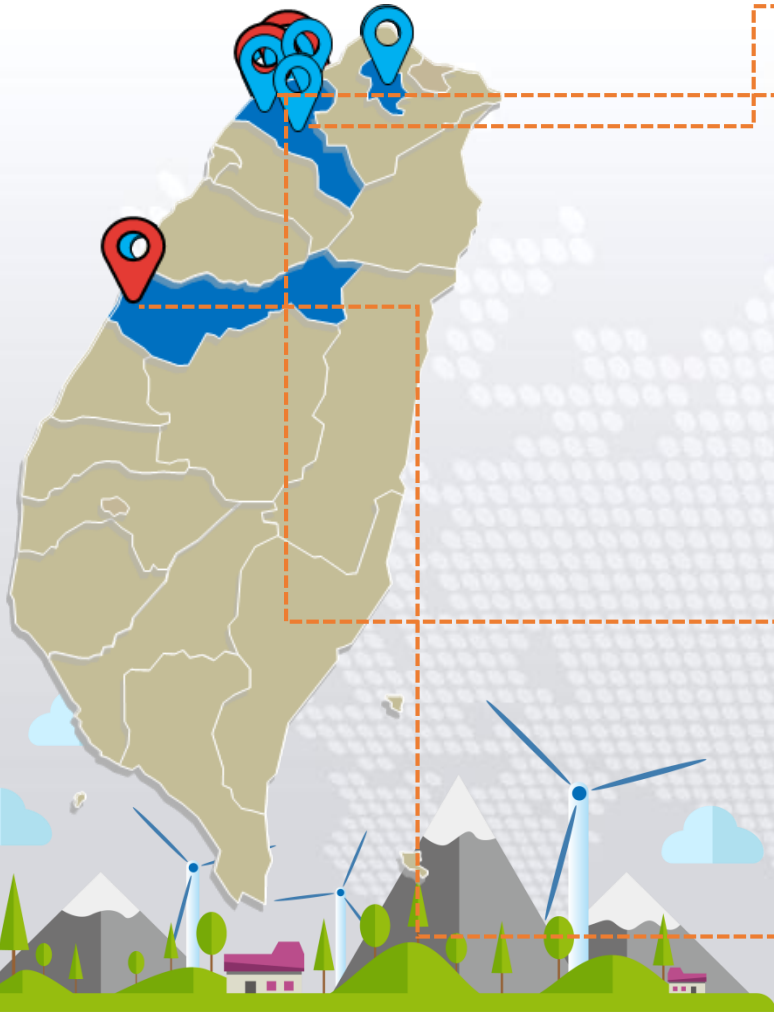
Safe Harbor Notice

- This Presentation contains certain forward-looking statements that are based on current expectation and are subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements.
- Except as required by laws, we undertake no obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise.

1-1 Company Overview

Type of Business	Heavy Electric	Type of TWSE	Listed
Establishment	Aug 26th, 1969	Lising Date	April 16th, 1997
Chairman	Pedro Hsu	President/CEO	Ted Hsu/Ithen Hsu
Capital	TWD 2.61 Billion	Employees	Global 1,000
Products	Equipment: Transformers, Switchgear, PV BOX, Panel, Transformer Smart Monitoring System, EV Charging Station EPC: Substation, Power Plant, Renewable Energy System, Offshore Wind Farm, Construction of charging station system, Smart Substation Maintenance 24 hours emergency recovering service throughout the year		

1-2 Company Profile(1)



Zhongli Plant



Guanyin Plant #2



Guanyin Plant #3



Taichung Plant

1-2 Company Profile (2) – Wuhan Plant



110kV Power Transformer

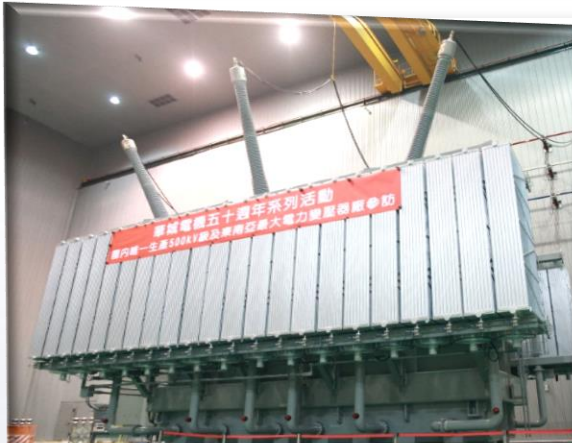


FR3 Transformer



230kV Power Transformer exported to Myanmar Power Company

2-1 Product Description



In August 2019, completed and exported a record-breaking 530kV 775MVA power transformer to an US utility.



PV BOX



DC Switch gear for Taipei MRT System (DC 750V 6,000A)



23kV Switchgear

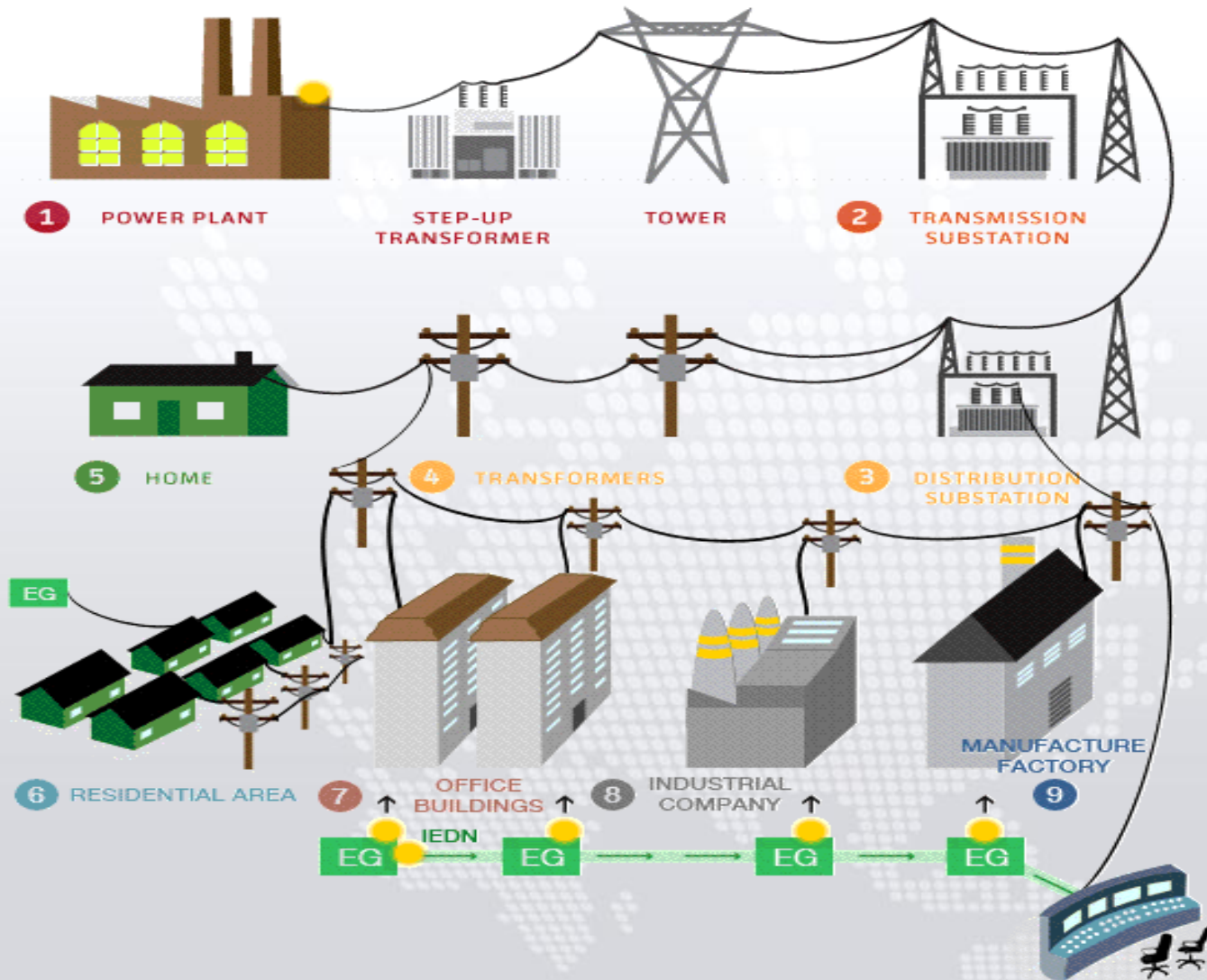


24kV GIS



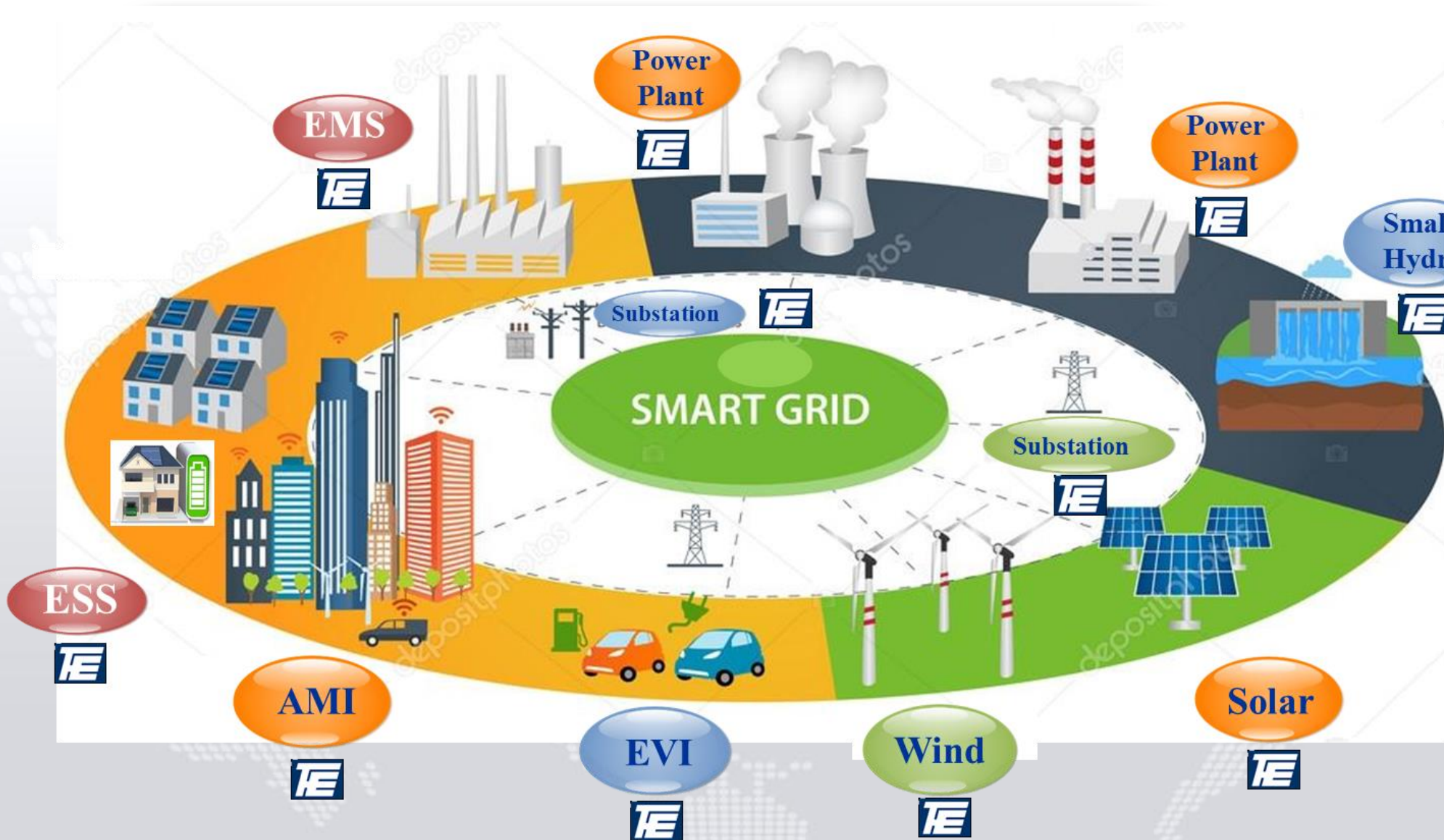
Exported Australian PV BOX

2-2 The Most Completed Product Line



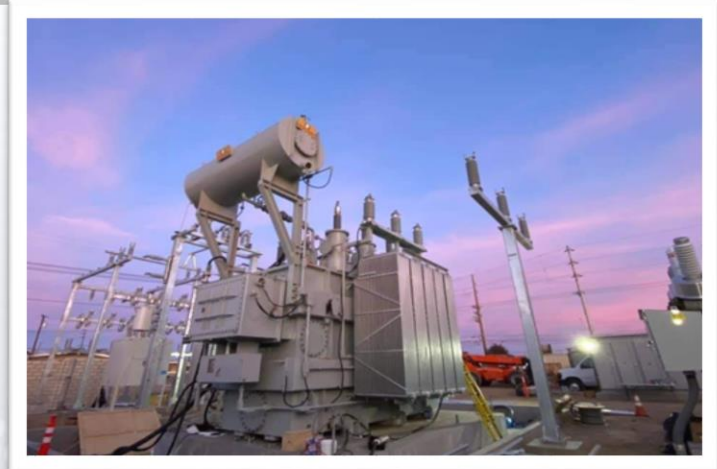
- 1 Step-up 345kV~500kV power transformers
- 2 Substation type 161kV power transformers
- 3 Substation type 69kV power transformers
- 4 Distribution pole/pad transformers
- 5 Transformers for industrial applications
- 6 System pre-planning, replacement & specification requirement service

2-3 FE's Green Power Products in Smart Grid



2-4 Export Market Leader (1/2)

Continue to deliver nearly 70 units to the United States, Australia, Japan, Southeast Asia and other local installations in 2021.



2-4 Export Market Leader (2/2)

Overcome transportation challenges.



2-5 Performance of Offshore Wind (1/3)

(Awarded by the employer for early completion)



In 2018, the second phase of Formosa I's 161kV substation and onshore system were awarded to Fortune.

In June 2019, 161kV substation and onshore system were completed and integrated into the grid.

In November 2019, Taiwan's first commercial-scale offshore wind farm, Formosa I started its commercial operation.

In September 2021, the Formosa II's 161kV substation and onshore system were **early completed and integrated into the grid**



2017

2018

2019

2020

2021

In 2017, Fortune completed the first phase of Taiwan's first offshore wind power project, Formosa I's onshore substation.



In March 2019, FE got the Formosa II's 161kV substation and onshore system. The Groundbreaking Ceremony of Formosa II Wind Power Project, Onshore Portion in November 2019. It is scheduled to be completed in 2021.



2-5 Performance of Offshore Wind (2/3)

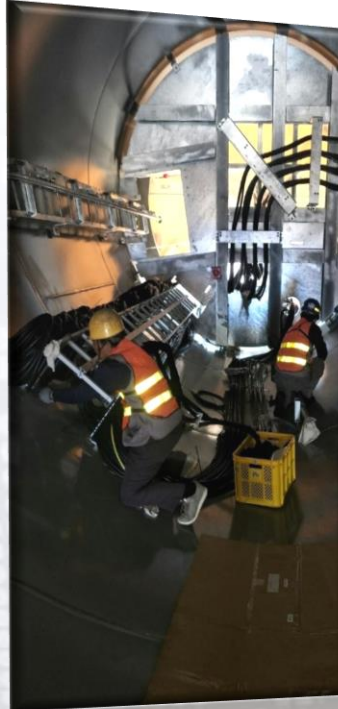


2019/10

Delivery of the
First 33kV Wind
Turbine Module

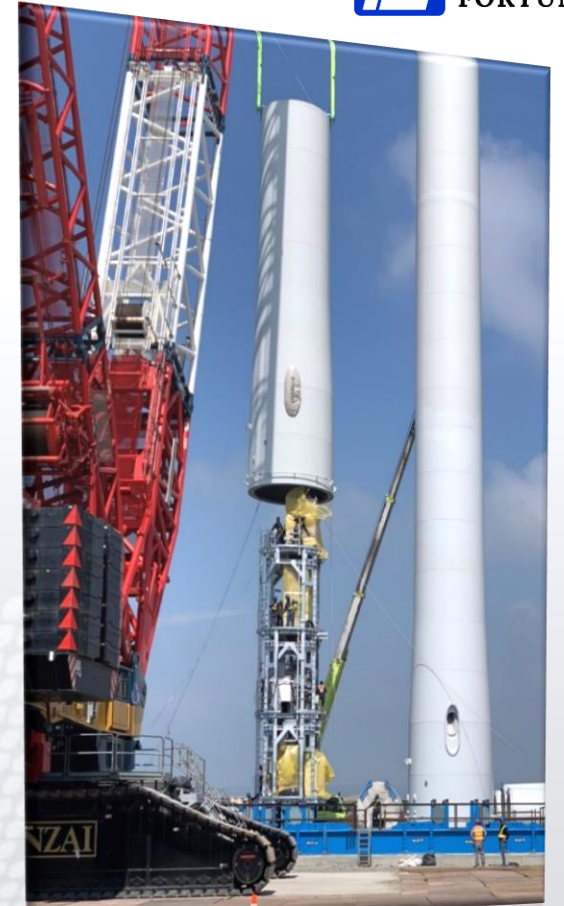


In 2020, Continued delivery of
33kV Wind Turbine Modules,
approx. 21 sets.



2020~

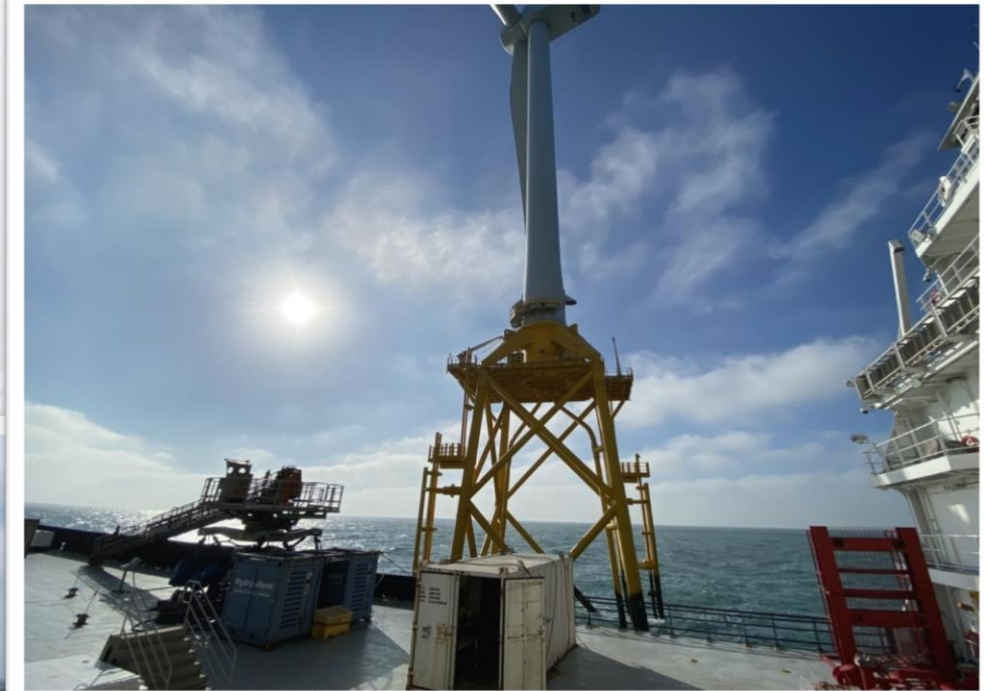
In 2020, the implementation of the
tower/fan/tower assembly project so far



Perform offshore wind turbine assembly operations in 2021

2020~

2021~



2-6 Performance of Ground-Mounted Solar

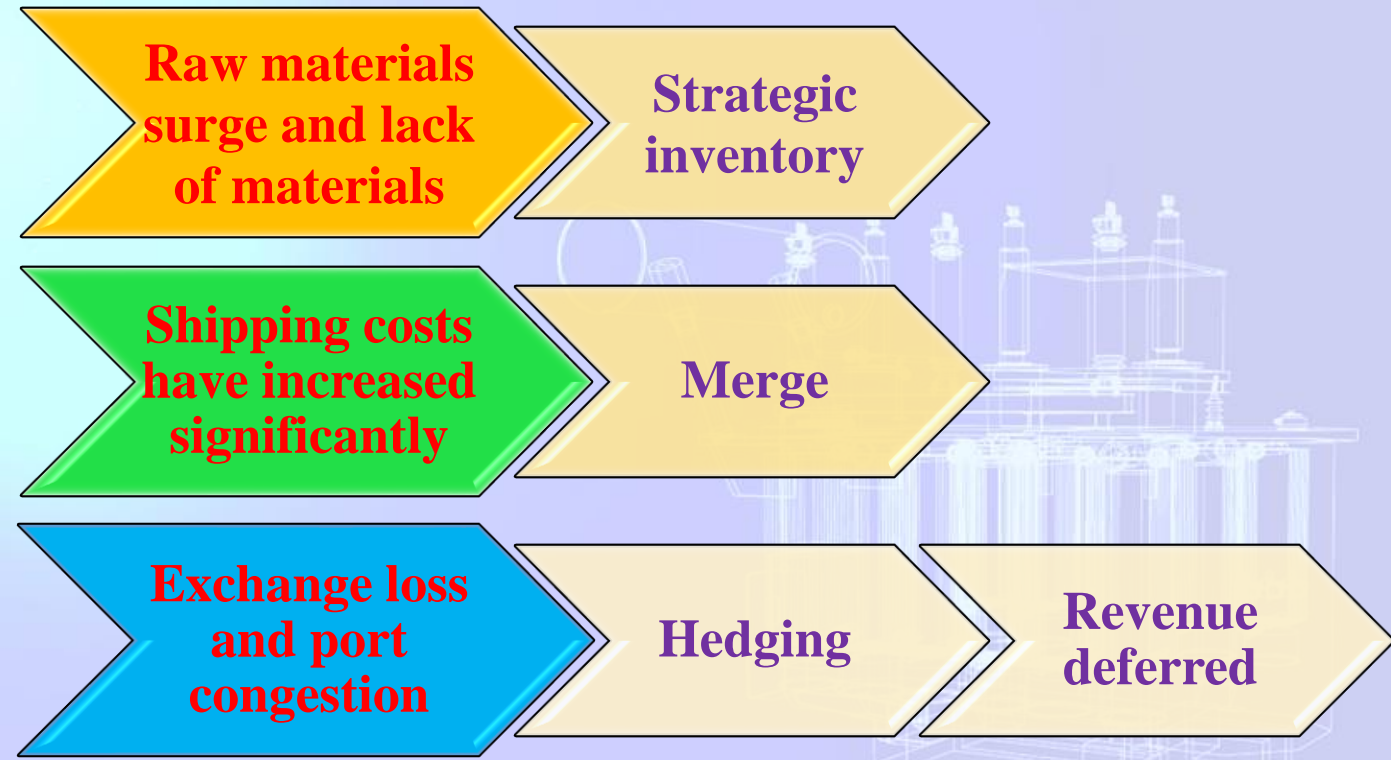


- 👍 In March 2021, the Taiwan's Largest solar project 150MWp in Tainan Yantian started its commercial operation. (In April 2020, completed 40MW on-grid commissioning . In June, completed the floating type solar for 5.6MWp and integrated into grid.)
- 👍 In February 2021, the Syuejia First Solar Power Plant started its commercial operation.(In December 2020, system of 69kV 50+50M were integrated into grid.)

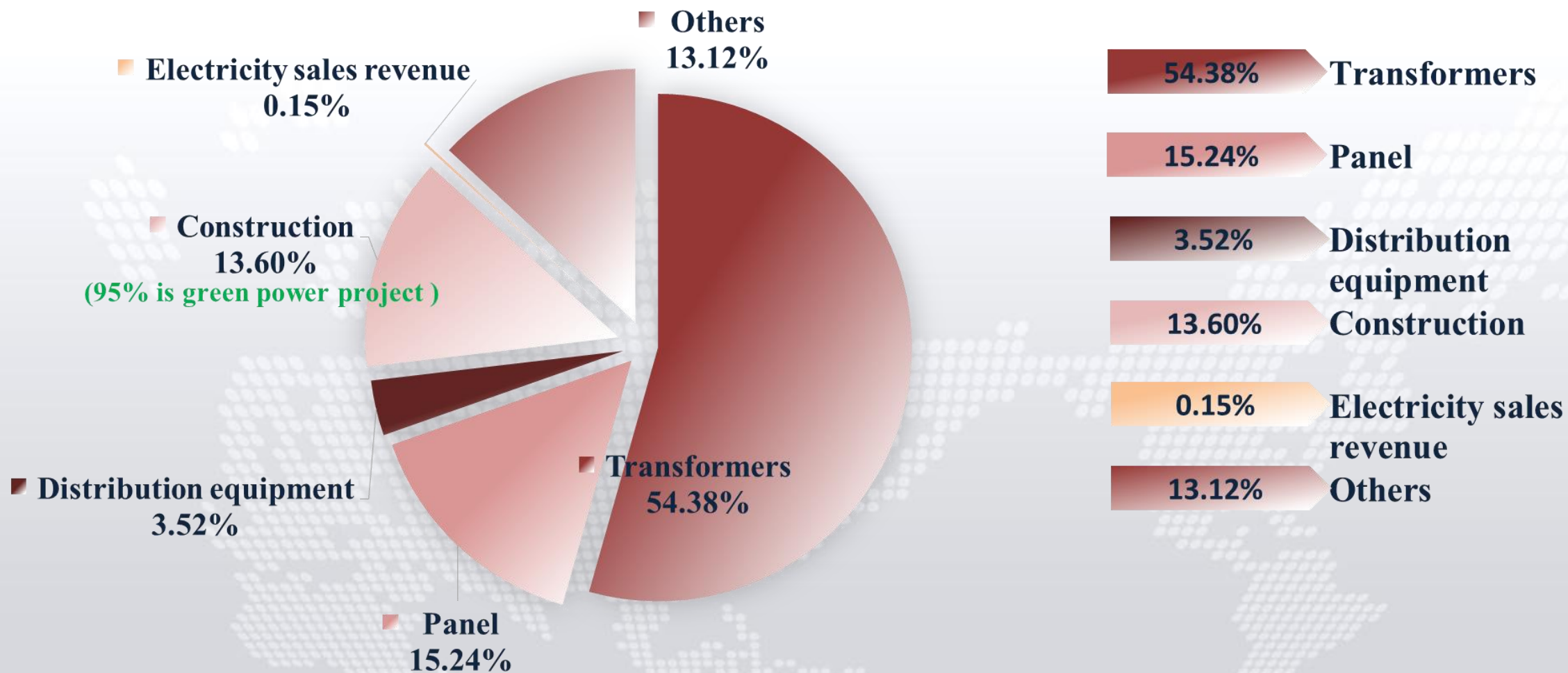
3-1 Opportunities and challenges: grasp green energy business opportunities and overcome business challenges.



Challenge vs Response

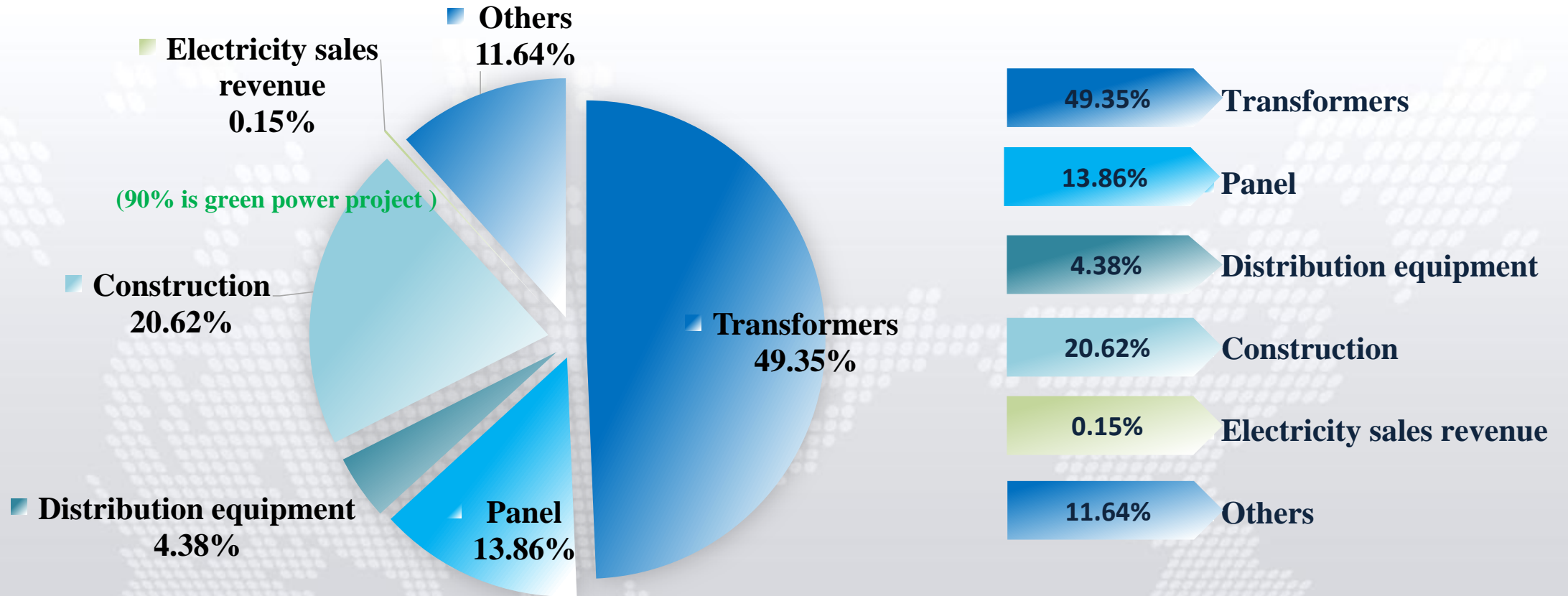


3-2 Percentage of Products for 2020



Others: including transformer installation / maintenance works, sale of materials / spare parts, et

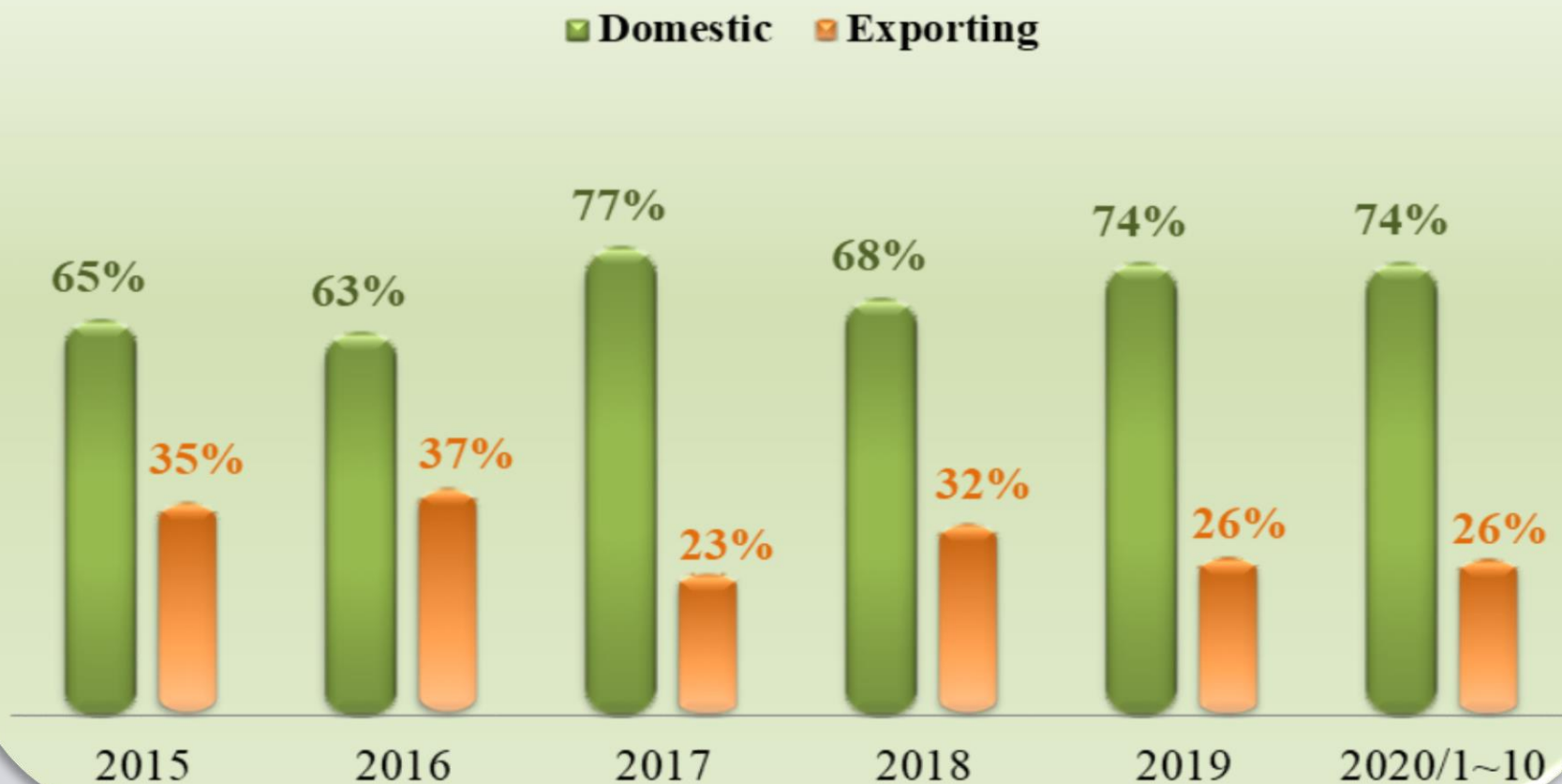
3-3 Percentage of Products for 2020/1~10



Others: including transformer installation / maintenance works, sale of materials / spare parts, et

3-4 Percentage of Domestic and Exporting

Percentage of Domestic and Exporting for 2015~2020/1~10

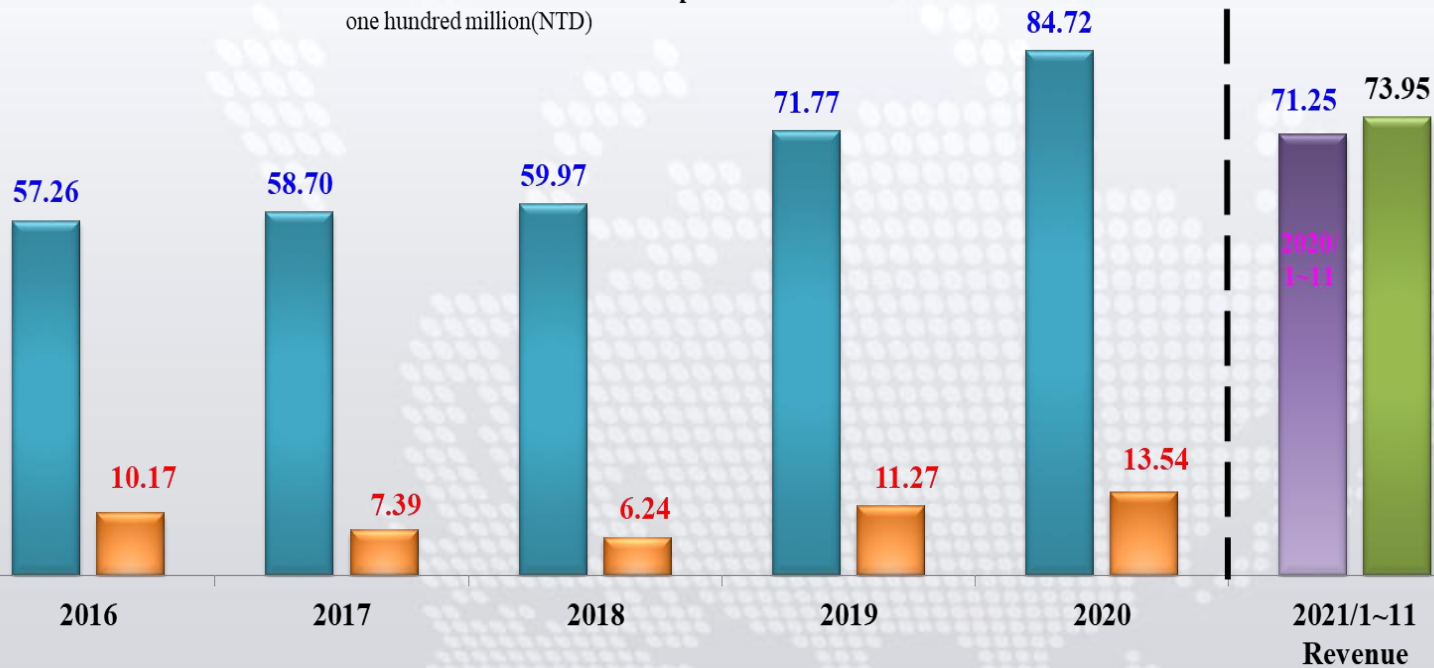


3-5 Revenue Grew Steadily

Revenue and Profit for 2016~2021/11

■ Revenue
one hundred million(NTD)

■ Gross profit



EPS for 2015~2021/Q3



3-6 Consolidated Financial Simple Highlights

Fortune Electric Co., Ltd. and Subsidiaries Consolidated Financial Simple Highlights

Unit : NTD in Thousands

Item	2021Q3		2020Q3	
	Amount	%	Amount	%
Property, plant and equipment	1, 965, 382	19%	1, 989, 545	20%
TOTAL Assets	10, 206, 454	100%	9, 946, 043	100%
Interest-bearing Debt	2, 719, 232	27%	2, 533, 913	25%
Total Liabilities	6, 854, 577	67%	6, 565, 637	66%
Total Equity	3, 351, 877	33%	3, 380, 406	34%
Operating Revenues (for the Nine Months Ended September 30)	5, 957, 561	100%	5, 865, 856	100%
GROSS PROFIT	861, 192	14%	995, 714	17%
NET PROFIT FOR THE PERIOD	119, 815	2%	304, 076	5%
Key Indices				
Current Ratio	142%		146%	
Acid Test Ratio	68%		80%	
Total Liabilities to Equity Ratio	204%		194%	
Net profit rate	2%		5%	
EPS (NTD dollar)	0. 46		1. 16	

2021 New Development

Due to the Covid-19 impact in 2021, Fortune Electric adjust business management model, bid project on line、long distance examination, growth against the trend.



230/115kV-280MVA



232.5/26kV-460MVA



115kV-110MVA



500/13.8kV-225MVA

Honour award and Patent



2021 Taiwan Inno
Tech Expo.

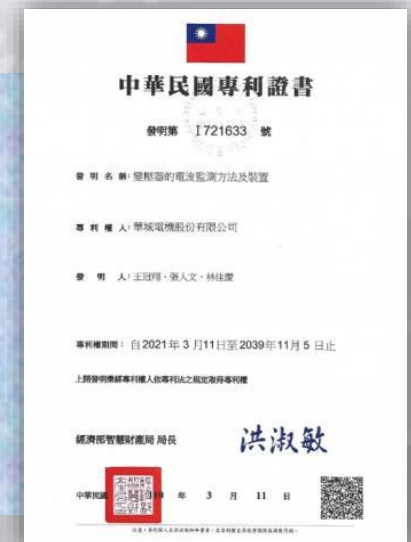
GOLD MEDAL

INNOVATION PATENT I468705

TRANSFORMER
MONITORING DEVICE

INNOVATION PATENT I721633

TRANSFORMER CURRENT
DETECT METHOD AND DEVICE



2021 Widely Recognized by Integrated Electric Vehicle Charging Value Chain



Carmaker Cooperation

- **BENZ · LEXUS**
Total solution for EV charging
- **PORSCHE · American Brand**
DC super charging construction
- **PORSCHE · TOYOTA · CHINA-MOTOR**
Public charging station & home charging installation
- **AUDI**
Charging strategy partner

Construction

- 40 cases of DC construction
- 120 cases of Destination charging station
- 350 cases of Home charger Installation

Integrated EV
Charging
Value Chain

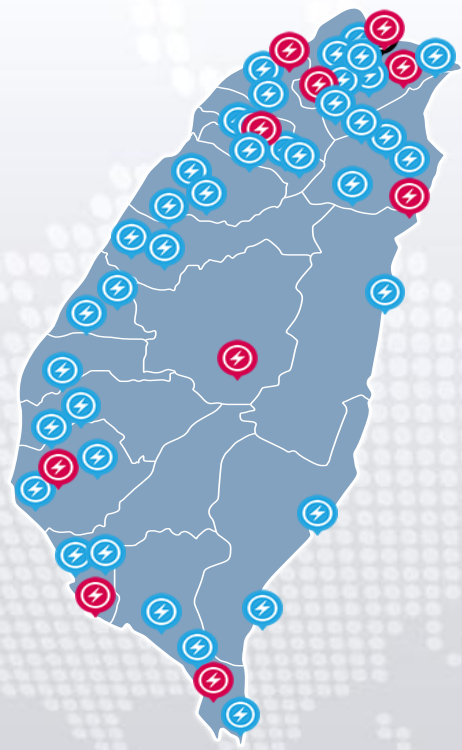
EV Charger

- **DC Charger**
 - ✓ 30kW~120kW
 - ✓ 180kW~480kW
- **AC Charger**
 - ✓ 7kW~17kW

Charging Operation

- Cooperate with more than 60 destination landlord from north to south
- Combine with mobile devices, IOT, Cloud, EV chargers, mobile payment
- Including DC fast & AC charging station

5-2 2021 Continuously building domestic charging operation network



Taoyuan



DC Taoyuan station

Hsinchu



DC Zhubei station

Tainan



DC Tainan station

Taipei



DC Neihu station

New Taipei City



DC Tucheng station

Kaohsiung



DC Kaohsiung station

New Taipei City



DC Wanli station

Taipei



DC Nangang station

Yilan



DC Yilan station

Nantou



DC Nantou station










Continuously build up charging stations from north to south Taiwan, including hotels, shopping malls, science parks, commercial buildings, entertainment venues, and various areas along the highway.

We cooperate with the landlord to set up charging station. Completed 10 DC stations and 200 AC chargers.

Providing the most charging kW in Taiwan, and we are continuously increasing the charging stations.

-  Fortune EVALUE AC station
-  Fortune EVALUE DC station

5-3 Cooperation with Car Manufacturers

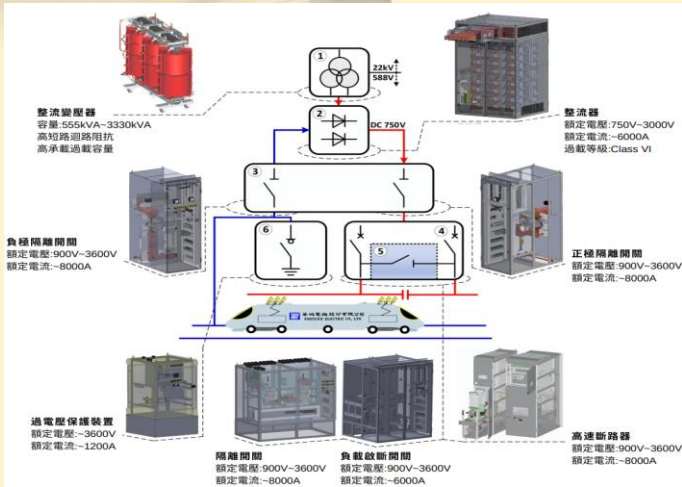
Depot	Carmaker Destination charging station (AC station)		Carmaker Destination charging station (DC station)		Home charging		Charging Station Operator
	Equipment	Construction	Equipment	Construction	Equipment	Installation	
American depot			OEM	 +More			
Benz							
Lexus							
Porsche	OEM		OEM		OEM		
Toyota							
CHINA-MOTOR							



⚡ Electrical and Mechanical Construction(Public/Private)

Construction in Process

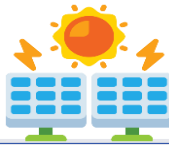
- Social Housing in Beitou District of Taipei City Construction Project



⚡ Green Power and Electric Power Control

Construction in Process

- Taipower Substation Power SCADA Update
- Energy Storage System of Construction Project



⚡ MRT and Railway Power System Construction

Construction in Process

- Replacement of MRT AC/DC Equipment in Traction Power Substation
- Taiwan Railway Electricity Intelligence Enhancement Plan (Signaling Interlocking System Update Turnkey Project)



AIoT

Quality Control Application

Energy Management Application



IT and OT data integration, real-time control of man,machine,material production progress information, and using data visualization for factory management.

台中廠繞線機

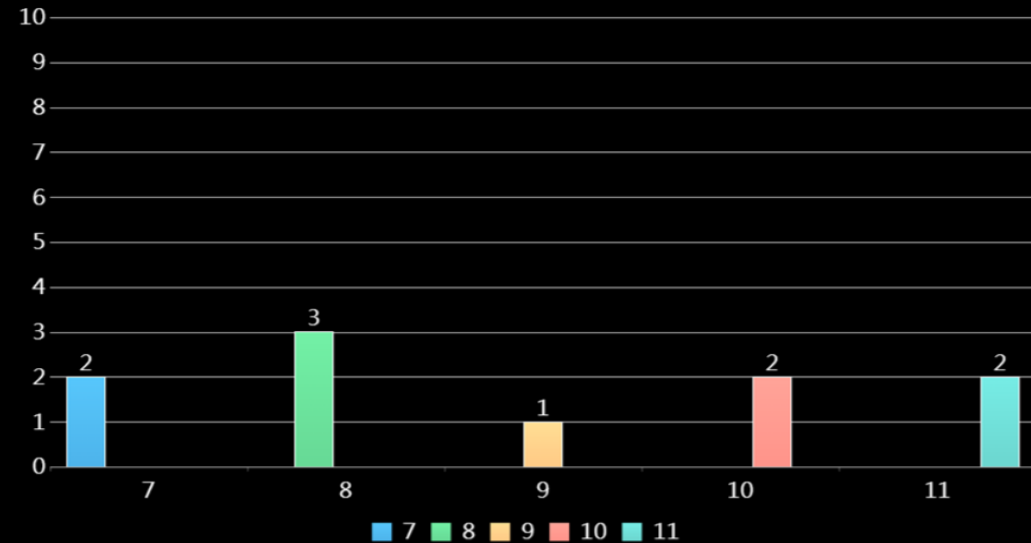
臥式繞線機
 立式繞線機

EQ01 待機中		EQ02 待機中		EQ03 待機中		EQ07 待機中		
	員工	HR21005		員工	HR21005		員工	HR21005
	工號	HR21005		工號	HR21005		工號	HR21005
	圈數	34/34		圈數	34/34		圈數	1/1

臥式繞線機工單排程

機台編號	2021年10月		2021年11月		
	43週	44週	45週	46週	47週
EQ01	HR21004 LV2 單1相		HR21005 LV1 單1相	HR21005 LV2 單1相	
EQ02	HR21004 LV2 單2相		HR21005 LV1 單2相	HR21005 LV2 單2相	
EQ03	HR21004 LV2 單3相		HR21005 LV1 單3相	HR21005 LV2 單3相	
EQ07				HR21005 RC 單1相	

臥式繞線機前後期比較



**Thank You for
Your Attention.**

