

FORTUNE ELECTRIC

Since 1969

**Green Energy, Smart Electricity Transmission
Network, and Electric Power System Services**



華城電機股份有限公司
FORTUNE ELECTRIC CO., LTD.



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Major Events

Fortune Electric was established in 1969. Since then, our company has operated with the ideals of “Quality, Participation, Welfare, and Continuity”, and all of our employees exemplify the company spirit of “Diligence, Sincerity, Reality and Pursing for Excellency” to work diligently in fulfilling our goals.



- 1969** Fortune Electric was founded in Tu Cheng, Taiwan, manufacturing distribution transformers with NT\$ 3 million of capital.
- 1980** Construction of the Chung Li Plant was completed. Started manufacturing various types of electrical panels and transformers. Licensed with McGraw-Edison Company of USA to produce power transformers up to 120 MVA 230 kV. Qualified as a Class A manufacturer of 69 kV power transformers, 24 kV and 15 kV distribution transformers and switchgears by Industrial Development Bureau.
- 1982** Became the 1st manufacturer of pad-mount transformers, arresters and fuse cutouts in Taiwan.
- 1990** Licensed with Hitachi of Japan for the production of power transformers up to 345 kV (included).
- 1991** Licensed with ENCO of Austria for the production of Cast Resin Transformers.
- 1992** Licensed with G&W Electric Co. of USA to produce SF6 pad-mount gas Switches.
- 1994** Became the 1st manufacturer in Taiwan with heavy electrical industry certified for ISO 9001, 9002. Mr. Pedro Hsu, President of Fortune Electric, was honored with the Excellent Business Executive Award and summoned by President of ROC, Mr. Den Huai Lee. Construction of Guan Yin Plant II was completed, launching the manufacture of up to 345 kV 500 MVA ultra high voltage power transformers.
- 1995** Licensed with Allied Signal Inc. of USA to produce Amorphous Metal Core Transformers.
- 1997** Granted the Trade Technology Development Award by MOEA. On July 29, President of ROC, Mr. Den Huai Lee visited Chung Li Plant.
- 1998** Licensed with ABB of Germany to produce MV C-GIS. Became the 1st manufacturer in Taiwan with heavy electrical industry certification for ISO 14001.
- 1999** Completed the construction of Guan Yin Plant III for Switchgear, C-GIS and Line Switch production. Licensed with Alstom, Switzerland, to manufacture High Voltage GIS.
- 2000** Licensed with Honeywell of USA for production and promotion of Amorphous Metal Core Transformers developed by GE for both Taiwan and Overseas Markets.
- 2001** Exported 345kV, 225MVA Generator Step Up transformers to USA.
- 2002** Successfully developed the 1st 161kV, SF6 Gas Insulated Transformer in Taiwan.
- 2003** Fortune Electric Wuhan Plant was founded in February.
- 2004** Became the 1st manufacturer in Taiwan with heavy electrical industry certification for OHSAS 18001 at Zhongli Plant I, Guan Yin Plant II, and Guan Yin Plant III.
- 2005** Wuhan Plant completed the development and type test for 110kV power transformer. Successfully completed the contractual work of 6th Power Transmission Engineering at Chu Lin and Liu Chung Substation of Taiwan Power Company.
- 2006** Start up "Engineering & Construction Division" to handle overseas and domestic substation, power plant engineering and construction. Successfully developed 161 kV 80MVAR Shunt Resister. Successfully developed 345kV 638.5 MVA Generator Transformer. Licensed with Secheron of Switzerland to produce MRT DC Traction Power System.
- 2007** Awarded the first Taoyuan County Evergreen Enterprise Excellence Award. Awarded the 8th Industrial Sustainable Excellence Award from the Industrial Development Bureau, MOEA. The first batch in Taiwan production is delivered by DC traction power system.
- 2008** Fortune Electric (Wuhan) Ltd. awarded the 2008 GE Energy Shanghai Supplier Conference Excellence in Customer Centricity Award. A new export record of 450MVA Auto transformer. Awarded the 9th place in the 2007 Golden Trade Awards export growth rate and the 380th place in the 2007 import and export performance. Awarded the "National Sustainable Development Award" of the Executive Yuan. The first batch of Taiwan production for MRT is powered by DC traction power system. Zhongli Factory's amorphous environmental protection and energy-saving transformer were awarded the government's seven "Environmental Protection Seals". Obtained the patent for "Amorphous Alloy Multistage Metal Core Lapping Structure". Completed Nongye D/S Project, obtained the "MOEA Public Work Excellence Award".

Fortune Electric Growth



The Fortune Electric has been established for 50 years (from 1969 to 2019). It was the 1st manufacturer in Taiwan with heavy electrical industry. The Fortune Electric focused on basic business and licensed with many international corporations. It had obtained a lot of international certificates, and continued on the innovation, R&D, and service of heavy-duty electrical equipment. In the future, the major development trend will be the Industry 4.0 and big data application AI smart development.

- 2009** Zhongli Plant I was awarded "Healthy Occupational Self Verification Health Activation Seals" from the Department of Health, Executive Yuan. Obtained best Asian-Pacific middle and small enterprise for revenue up to US\$ 1 billion issued by Forbes Magazine in USA, and one of the sixteen Taiwanese enterprises rated in this magazine.
- 2010** Zhongli Plant I and Guanyin Plant III passed 5-year verification of the Standard Inspection Bureau of Taiwan Occupational Safety and Health Management System. The 7th Information Disclosure Appraisal was awarded the "A Grade" rating. Awarded 2010 Taiwan Magnetic Technology Industry Contribution Award.
- 2011** The Engineering Business Division is renamed as "New Energy Engineering Business Division". The 8th Information Disclosure Appraisal was awarded the "A Grade" rating. Established and participated in operating 1.3MW Pingdong solar power plant. Established the country's largest 4.6MW Yongan solar power plant, and the Taiwan Power Company officially opened it on October 1, 2011.
- 2012** Participated in the Industrial Development Bureau 2012 Industrial product carbon footprint demonstration coaching plan, and passed the carbon footprint verification of oil filled amorphous metal cord transformer complied with PAS 2050:2011. Became the only domestic company that passed KEMA short circuit test of 230kV 240MVA large-scale transformer in the Netherlands. Passed CESI 2500kVA short circuit test in the Italian laboratory. The 9th Information Disclosure Appraisal was awarded the "A Grade" rating. Awarded "2012 TOP 5000 - the 6th place in Electrical Machinery Apparatus, and the 332th place in Export Enterprise" of China Credit Information Service, Ltd.
- 2013** Acquired "underground four-way automatic line switch" certification qualified manufacturer. Awarded the 1st Major Medium-sized Enterprise Coaching Subject. The 10th Information Disclosure Appraisal was awarded the "A Grade" rating. Established "Hitachi Fortune Transformer, Inc." jointly with Hitachi of Japan.
- 2014** Verified by BSI British Standards Association, obtained ISO50001 Energy Management System Verification Certificate. Passed ISO27001 certification. The 11th Information Disclosure Appraisal was awarded the "A Grade" rating. Developing green energy industry - Established charging station operation center. Cooperated with Yungchuan to establish the 1st Offshore Wind Farm in Fongyuan, Changhua, Taiwan, marched the 1st step for the offshore wind power field in Taiwan. Acquired the carbon label of B2B amorphous metal core transformer product of Taiwan Electrical and Electronic Manufacturers' Association. Acquired the "ultra-low noise transformer" research fund from MOEA, and got 345kV 448MVA transformer order from American customer.
- 2015** The 12th Information Disclosure Appraisal was awarded the "A Grade" rating. The "Talent Development Quality Management System" awarded the bronze credit. The high efficiency amorphous core transformer (1500kVA) was awarded the Green Mark. Fortune Electric and Hitachi jointly established "Hitachi Fortune Electric Transformer, Inc.", a new factory in the Taichung Free Trade Port Area, which is the only transformer factory manufacturing extra high voltage 500kV transformer in Southeast Asia. Awarded the 1st Small Giant in the 2015 of Common Wealth Magazine CSR Corporate Citizen Award.
- 2016** Awarded the 15th place in the 2016 of Common Wealth Magazine CSR Corporate Citizen Award. The 2nd Company Management Appraisal was awarded the first 35% enterprise. Awarded the 10th Service Quality Excellence Award in Taoyuan City.
- 2017** The 2kW DC charger passed CNS certificate. Awarded the 13th place in the 2017 of Common Wealth Magazine CSR Corporate Citizen Award. Acquired 26th Taiwan Excellence Award for 3 items. Successfully developed the first ultra-low noise transformer in Taiwan and completed the assembly test in Australia on 2017/7/18.
- 2018** Awarded the 15th place in the 2018 of Common Wealth Magazine CSR Corporate Citizen Award. Acquired the 27th Taiwan Excellence Award. Innovation Technology Exhibition - Acquired the highest honor for expressing solid capability. Became the manufacturer with Environment Management System for ISO14001:2015 at Zhongli Plant, Guan Yin Plant II, and Guan Yin Plant III.
- 2019** Became the manufacturer with Occupation Safety Health Management System for ISO45001:2018 at Zhongli Plant, Guan Yin Plant II, and Guan Yin Plant III. After April, the Fortune Electric obtained 100% shareholder of Taichung Plant, and became the 1st manufacturer in Taiwan with 500kV transformer.

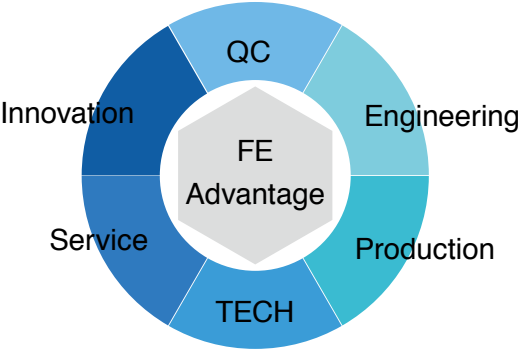
Mission and Corporate Core Value

At present, there are operation facilities in Taipei, Taoyuan, Taichung, Kaohsiung, North America and California, California is part of North America. Suggested edit: Pennsylvania and California, or, 2 North American Offices in California and Pennsylvania. Or End after North America. as well as 5 plants. Zhongli Plant I, Guan Yin Plant II, Guan Yin Plant III, Taichung Plant and Wuhan Plant which produce distribution and power transformers, switch equipment, electrical panel and relevant electrical devices., The quality of products and services are appreciated by the domestic and foreign customers.



Founder Mr. H. L. Hsu

- Mission**
Core value
THE FOUR-WAY TEST
- Comforting employees, customers, shareholders, and society
Innovation, R&D, Quality, Participation, Welfare, Sustainability
1. Is it the TRUTH? 2. Is it FAIR to all concerned?
3. Will it build GOODWILL and BETTER FRIENDSHIPS?
4. Will it be BENEFICIAL to all concerned?



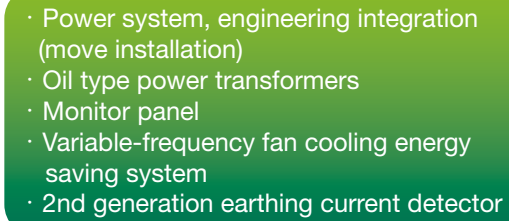
General Manager President Chairman Vice President Chief Executive Officer

Our company is trying to improve the management system and execute the ISO system actively. Promote in-house energy conversion, develop environmentally friendly products, and pay attention to the welfare of employees. We stress growing with the suppliers, establish volunteer committees to expand social affairs, and enforce social responsibility. In the operation achievement, successfully bring the domestic industry to the international market. It will be the highest index of benefit growth in domestic revenue of heavy-duty electrical devices, in order to become the leading manufacturer in domestic and foreign areas.

Vision of Fortune Electric

Fortune Electric was established in 1969, our employees follow the spirits of our Company as “Diligence, Sincerity, Reality and Pursuit for Excellence” to work incessantly for fulfilling our goals, in order to get the confidence and appraisal of customers and stable growth of business. Additionally, we have adopted the “equipment manufacturing, system engineering, and service business” as the major service feature. Continued development and innovation of new products and technology has brought the traditional heavy-duty electrical industry to the high-tech manufacturing and service industry. Implement international operation strategy actively to achieve the largest and most renown domestic heavy-duty electrical factory. In the future, we will promote the competitiveness of enterprise through various management activities to fulfill the double wins concept of “increasing benefit of enterprise” and “achieving social responsibility”.

FORTUNE ELECTRIC



- Nuclear power plant power transformers

- Thermal power plant power transformers

- Oil type distribution transformers for solar power generator
- Power transformers for solar power generator
- Smart booster station

- Rectifying cast resin transformers
- Cast resin transformers
- Gas insulated switchgear

- Oil type power transformers
- Ultra-low noise transformer
- Electrical panel
- Electric maintenance-free breather
- 2nd generation earthing current detector
- Transformer remote monitor system

- Power transformer for hydropower generator

- Oil type distribution transformers for wind power station
- Power transformers for wind power station
- Electrical panel

- Production line smart integration system
- Large factory power transformers
- Gas insulated switchgear

- Substation renew works
- Oil type power transformers
- 1st substation power generator
- Gas insulated switchgear
- Variable-frequency fan cooling energy saving system
- 2nd generation earthing current detector

- Cast resin transformers
- Oil type distribution transformers
- Electrical panel
- Distribution breather
- 2nd generation earthing current detector
- Transformer remote monitor system

- SF₆ sealed switch
- Gas insulated switchgear
- Variable-frequency fan cooling energy saving system
- 2nd generation earthing current detector

- Pad/pole mount transformers

- Electric vehicle charging pile

- AMI smart electric meter

Zhongli Plant I

Our company was founded in Tu Cheng, Taipei County. It was relocated to Zhongli in 1980, which became the headquarters for sustainable development Fortune Electric Co., Ltd.

During that time, Fortune Electric Partnered with McGraw-Edison Company of USA, Meidensha, Takaoka, Togami Electric, Hitachi of Japan and G&W Company of USA to produce various power transformers and electrical panels.

Successfully our company developed medium and small distribution transformers in Taiwan, and became the leading manufacturer for exporting wind power transformers. Till 2008, Zhongli Plant successfully developed 25MVA ultra-low noise (48dB) power transformer, and became a famous heavy-duty electric plant in domestic and foreign areas.



Machine and Equipment

1. We employ high-efficiency manufacturing equipment for satisfying the customized demand of customers and the innovation of production technique. It created large vertical integrated production control management and supply chain, and insisted the best quality and high-efficiency production management, to perform the industrial safety concept of employees.
2. The automatic amorphous metal core production facilities are used in green energy and energy saving metal core process, in order to fabricate high-efficiency transformers.



● Automatic welding robotic arm



● Transformer core oven



● Transformer core oven



● Amorphous metal core oven



● Amorphous metal core annealing oven



● Amorphous copper strap transport and cutting

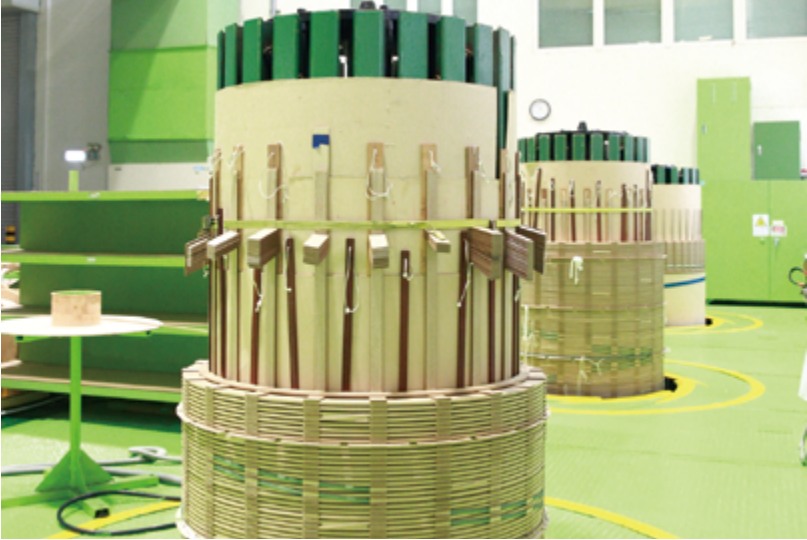
Guan Yin Plant II

The construction of Guan Yin Plant II was finished in 1994 to produce extra large capacity power transformers. During that time, Guan Yin Plant II was licensed with Hitachi, Meidensha of Japan to produce various power transformers.

A large vertical coil winding machine is set to make extra high capacity HV transformer coil and improve the short circuit resistance of coil. It has passed KEMA short circuit test. As for the manufacturing capability, the maximum voltage is 400kV, the maximum capacity is 3P 775 MVA, 1P 400 x 3 MVA, and the maximum output is 18,000 MVA/year.



Machine and Equipment



● Vertical coil winding machine



● Welding fence welding room



● Low humidity room



● Gas phase oven



● Pulse voltage generator



● Flammable gas in oil analyzer - Gas chromatography

Guan Yin Plant III

In 1998, Guan Yin Plant III was constructed in Guan Yin District, Taoyuan City, which was the large-scale switch manufacturing factory in Taiwan. Based on the quality commitment to customers and improvement of environmental protection consciousness, Fortune established advanced and environmentally friendly coating and wastewater treatment facilities in Guan Yin Plant III in 1999.

Guan Yin Plant III used the most advanced manufacturing and testing equipment, excellent technique, to produce relevant electric apparatuses, HV GIS, MV GIS, SF₆ gas sealed switch and various electrical panels. Fortune Electric successfully developed the underground four-way automatic line switch and smart prefabricated substation for domestic and foreign customers.



Machine and Equipment



● CT tester



● Breaker characteristic tester



● Universal tester



● Comparator



● Automatic powder coating equipment

Taichung Plant

In search of foreign cooperation, our company expanded the overseas strategy, to strengthen the international competitiveness, and open the international markets, Fortune Electric and Hitachi of Japan jointly established "Hitachi Fortune Transformer, Inc." A new factory was established in the Taichung Free Trade Port Area in 2015, which is the only transformer factory manufacturing extra high voltage 500kV in Southeast Asia.

During that period, extra high voltage transformers from the Taichung plant were sold all over the world. The quality of products and services are deeply relied and appreciated by all customers. After April 2019, Fortune Electric obtained 100% shareholders and operation rights, and became the 1st manufacturer in Taiwan with 500kV transformer.

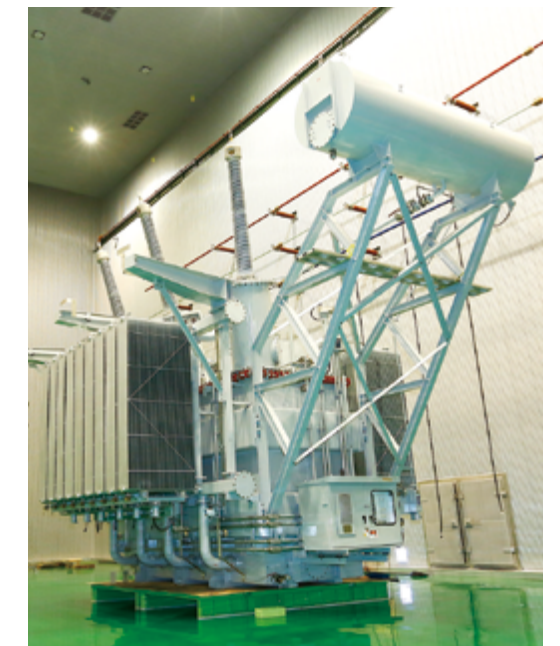
We will continue the spirit of Fortune Electric, developing new techniques and innovating new products, spanning over new energy sectors, and implementing international operation. Through persistent execution Fortune Electric will become a market leader in international heavy-duty electrical device manufacturing.



Machine and Equipment



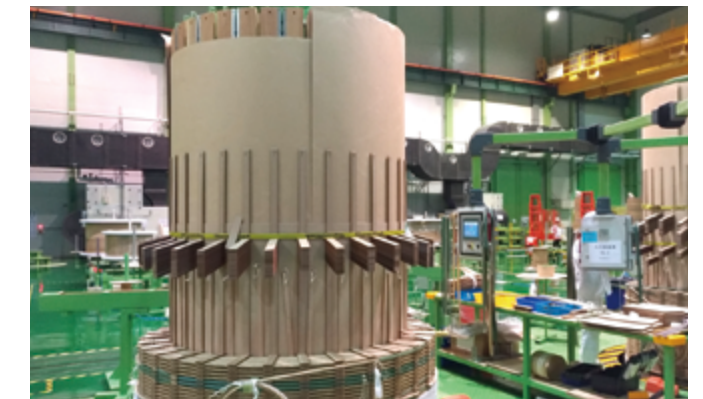
● Clean room environment



● 525kv 230MVA transformer



● Horizontal winding machine



● Vertical winding machine



● Test lobby



● Hover movable platform

Charging Station Operation Center

Energy Storage System

Description: The Energy Storage System (ESS) provides the high-efficiency solution to the demand control management, electricity dispatching, smooth output of renewable energy etc. The system integrates the double direction power converter, energy storage battery, and cloud energy management system etc.

Application: Satisfying power generation, distribution sector, industrial and business sector, residence house, etc.



Electric Vehicle Charging Pile

In 2015, Fortune Electric established the electric vehicle charging operation brand "EVALUE", to continue promoting various electric vehicle charging solutions through the brand spirit of "transmitting electric energy, connecting the whole world", including the innovative products of DC charging pile, AC charging pile, and high-efficiency charger, etc.



Electric Vehicle Charging Station

Since 2019, we started to operate the first electric vehicle charging station cooperated with the parking lot vendor, developed the smart roof top charging APP, finished complete in-built charging station database, so that the car owner could enquire the adjacent position of a charging station, and carried on the on-line reservation, navigation, charging and payment, etc.



New Energy Engineering Division

Turnkey Engineering Service of Fortune Electric

Experts providing the power and distribution transformers, HV and LV electrical panels, various switches and electrical devices, our company also contracts TPC projects, business buildings, traditional factories, schools, food factories, clean room, MRT projects and green energy, in order to satisfy the demand of customers.

Business building



Client name: Hongyu Enterprise
Project name: Pingjen Factory
Project contents: Utilities/Air conditioning/Fire control
Contract date: 2012.10



Client name: Taichung City Government
Project name: Police Department Building
Project contents: Utilities/Fire control
Contract date: 2013.10



Client name: Chinese Jiedeh
Project name: Taoyuan Benz Center
Project contents: Utilities/Air conditioning/Fire control
Contract date: 2015.05

Technological factory building



Client name: Senyang Photoelectric
Project name: Huko Power Equipment Phase II Project
Project contents: Power works (substation)
Contract date: 2011.06



Client name: Kwanyang Tech
Project name: Siejang Electromechanical Phase I Project
Project contents: Utilities and process piping
Contract date: 2013.11



Client name: Grape Kin Bio
Project name: New Pingjen Factory Building
Project contents: Utilities/Air conditioning/
Fire control/Process (clean room)
Contract date: 2014.05

Hospital



Client name: Tzu Chi Hospital
Project name: Jiayie Dalin Hospital Equipment
Project contents: Equipment /Weak power engineering
Contract date: 2000.06.30

Photovoltaic Project



Client name: Pingdong County Government
Project name: Pingdong solar power plant
Project contents: New solar power facilities
Contract date: 2011.06.02

Energy Storage System



Client name: ITRI
Project name: Longjein Energy Storage Project
Project contents: Battery system setup and verification
Contract date: 2017.08.08

Substation Turnkey Works



Siefong - Primary Substation
Start date: 2004.04.23
Finished date: 2006.10.09



Hoesung - Primary Substation
Start date: 2004.10.11
Finished date: 2007.01.28

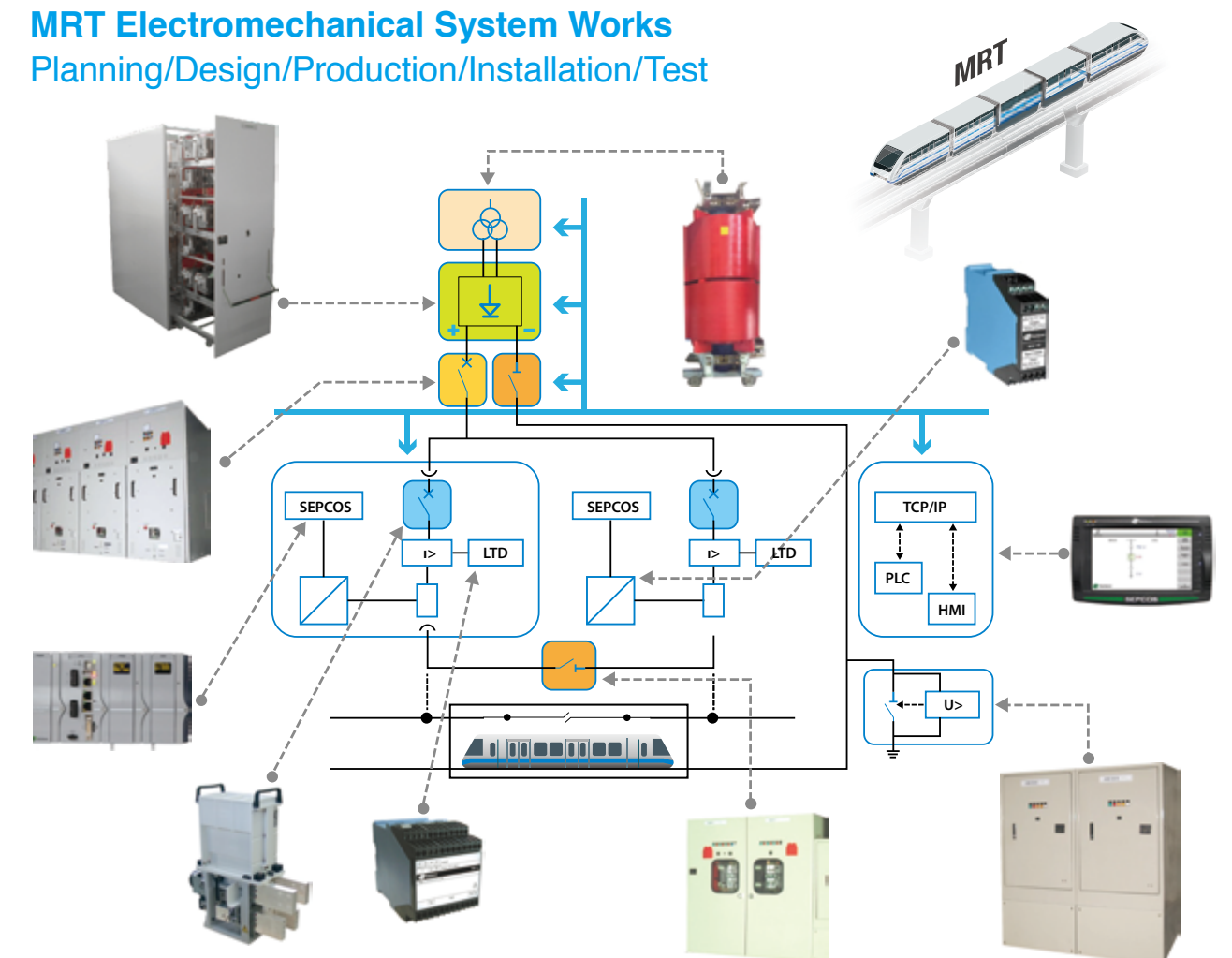


Seko - Primary Substation
Start date: 2005.07.07
Finished date: 2007.12.23

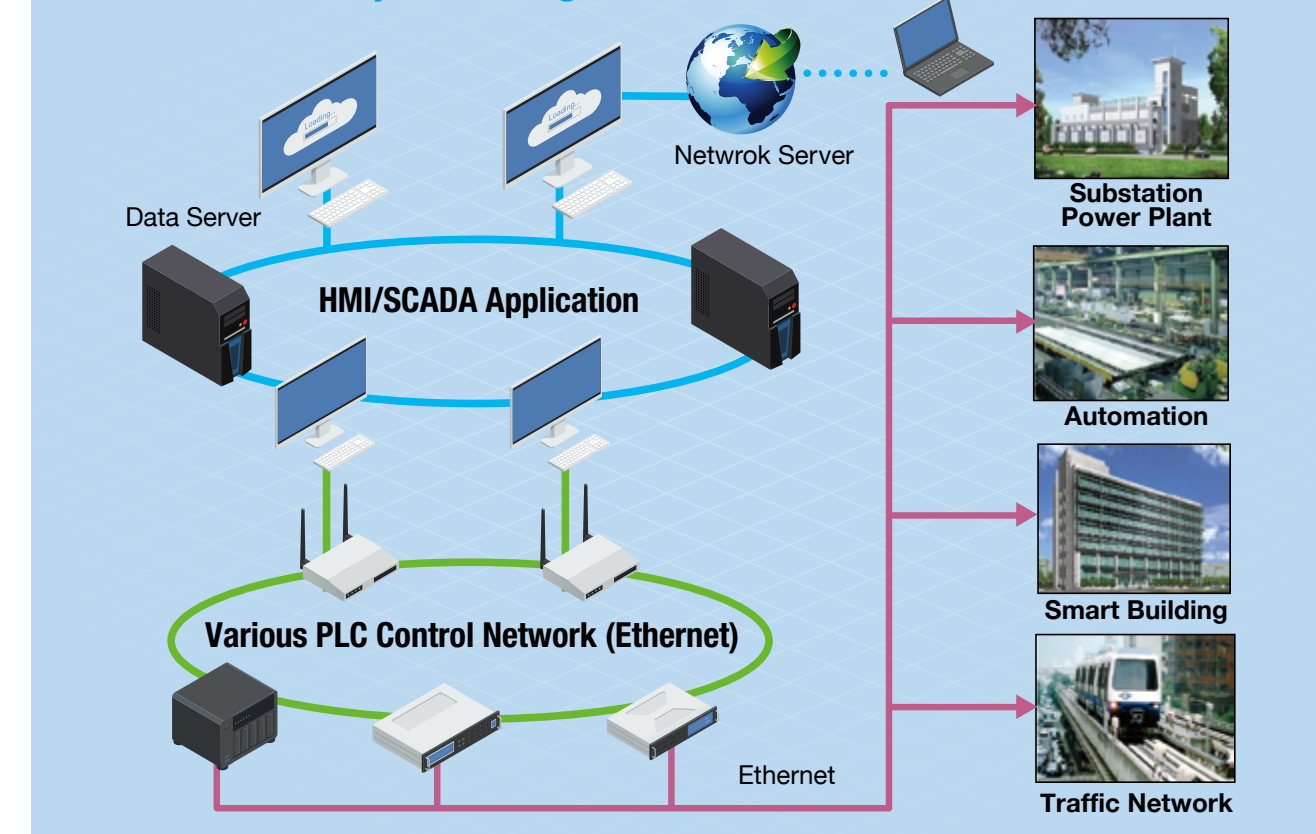


Nunyie - Primary Substation
Start date: 2006.02.20
Finished date: 2008.08.07

MRT Electromechanical System Works Planning/Design/Production/Installation/Test



SCADA Monitor System Integration



Wuhan Plant

Wuhan Plant is located at Wuhan City, which is the traffic epicenter of nine provinces. The plant district is Wujiashan Airport Development Zone which is only 20 minutes drive from Wuhan Tienho International Airport, and the National Expressway 107 is right in front making transportation very convenient. The land area is 41,176 m², and the factory building area is 20,240 m².

Wuhan Plant was established in 2002, and the technology of Taiwan parent company was transferred to Wuhan Plant completely. It produces various transformers and smart monitor electricity saving system. Presently, it is able to produce the oil type power transformer up to 230kV (included), amorphous metal core transformer, and dry type transformers for the domestic and foreign markets.



Industrial Safety and Environmental protection

Our company pays attention to the social pulse and international track record under product manufacturing and service process. We strive to create a globally fine and prosperous environment through the industrial safety, environmental protection, energy saving and carbon reduction actions. Our company had obtained ISO9001, ISO14001, ISO45001, ISO50001, environmental protection sign of cast resin transformer, environmental protection sign of amorphous metal core transformer, ISO certificates for carbon footprint and carbon label, etc. The cast resin dry type transformer had obtained the environmental protection sign, and the amorphous metal core transformer had obtained the certificate of carbon footprint and carbon label. Our company endeavors to promote the green industry (such as wind power and solar energy, etc.), in order to bring the heavy-duty electric industry to respond to the energy-saving and carbon-reducing trend, create social welfare, and face better future.



Introduction of Products

Power Transformers



▲ Oil type power transformer



▲ Oil type power transformer for thermal power generator



▲ Oil type power transformer for hydropower generator



▲ Oil tank type power transformer in voltage avoiding space



▲ Ultra-low noise power transformer

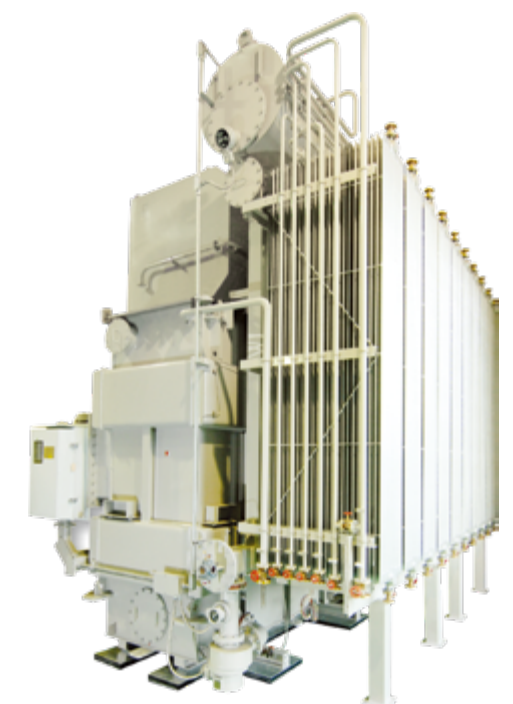
Oil type power transformers



▲ 3~10MVA



▲ 10~20MVA



▲ 20~30MVA

Oil Type Distribution Transformers

To benefit the environment and reduce carbon emissions, our company continues to develop various green-energy and energy saving transformers.

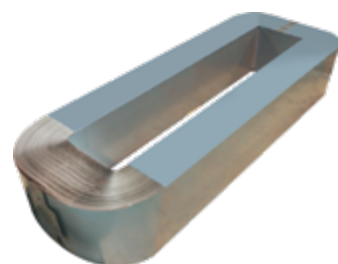


▲ Oil Type Distribution Transformer



▲ Oil Type High-Efficiency Distribution Transformer

First factory possessing design, manufacturing ability of amorphous metal core transformer in Taiwan



Amorphous metal core distribution transformer

No load, low loss, small temperature rise, longer life compared to silicon steel sheet transformers



▲ Oil type amorphous metal core distribution transformer



▲ Distribution transformer for wind power station



▲ Distribution transformers for solar power generator

Oil Type TPC Distribution Transformers

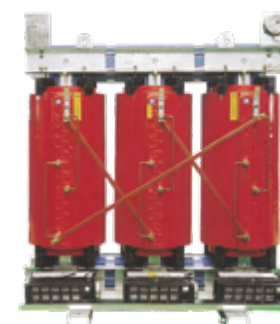


▲ Pad-mount transformer



▲ Modified sleeve type pole-mount transformer

CRT Cast Resin Transformers



▲ Silicon steel sheet cast resin transformer



▲ Amorphous metal core cast resin transformer



▲ Rectifying cast resin transformer

SF₆ Gas Insulated Switches



SF₆ Gas Insulated Switches



▲ Metal lock type switchgear



▲ Low voltage panel



▲ Motor Control Center

Smart Prefabricated Substation



- ✓ Standard container design, good weather resistance, strong protection.
- ✓ Prefabricated and tested in factory then site installation, best quality.
- ✓ Minimum site construction works, simplest solar power farm setup.
- ✓ Replacing LV cable by HV cable, easiest cable layout.
- ✓ Good entrance guard, prevent the intrusion of outsider effectively.
- ✓ Good rain proof and ventilation design, able to effectively get water proof and ventilate the heat from the container.



▲ Product view, installed in Japan

The smart prefabricated substation is the best apparatus of renewable energy, and the best partner of solar power and wind power generator.



Electric Vehicle Charging Pile



32A Smart Charging Pile

- Delay charging selection function: Can set up 2/4/6/8 hour delay automatic charging per demand, match the electricity price for saving charging fee.
- LED flash color display: Through different LED color to display standby/in charging/full charging/abnormal, letting you grasp the charging status easily.
- Automatically environmental sensing lighting: Can detect the illumination of environment, and automatically activate the lighting when the illumination of environment is insufficient.
- Cable winding back design: Providing you with collating the charging gun and cable neatly.
- Provide cable and cable-free network communication function, connecting to the cloud management system.
- Neat and clear-cut design.
- RFID user identification.
- The charging interface can select CNS version or European version.



32A Single-Gun Type Electric Vehicle Charging Pile

- Adopt SAE J1772 charging interface, the product passed CNS and US CE charging standard verification.
- Easy operation interface, intuitional layout, simple and easy to use
- RFID user identification function, slight sensing to activate charging.
- Access the Internet, connect to the smart cloud charging management system.
- IP55 rating provides a dustproof and waterproof, durable product.
- Vertical base or wall-mount install options are a fit for residential areas/parking lots/office buildings/restaurants and hotels.



80A Single-Gun Type Electric Vehicle Charging Pile

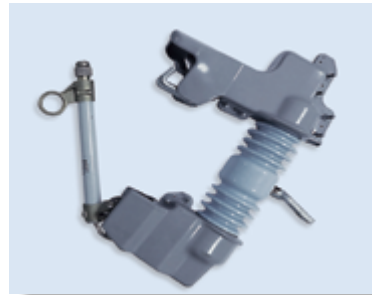
- Adopt SAE J1772 charging interface, the product passed CNS charging standard verification.
- Can provide maximum 80A electric current, shorten the charging time.
- Built-in RFID card reader, providing user with identification function.
- Access the Internet, connects to the smart cloud charging management system.
- With emergency stop button, slightly touch to stop charging immediately.
- Vertical base or wall-mount install options are a fit for residential areas/parking lots/office buildings/restaurants and hotels.



DC Electric Vehicle Charger

- Double charging interface: Support CCS2/CHAdeMO.
- Standard output power: 30kW (2*15kW)~40kW (2*20kW).
- User identification: Support RFID/APP user identification.
- Multiple charging modes: Can select automatic charging/time/amount/fee.
- Smart display: Built-in 7-inch touch screen, display charging information completely.
- Multiple communication ways: Ethernet network/3G/4G/wifi.

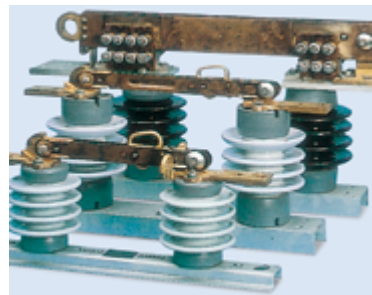
TPC Transmission and Distribution Devices



Fuse Chain Switch

Main characteristics:

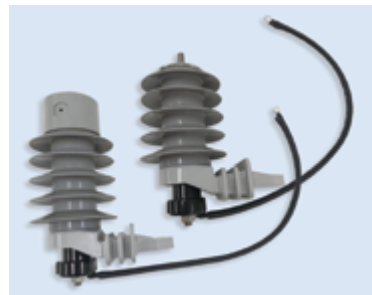
- Comply with ANSI specification.
- Simple toggle mechanism, after the fuse breaks, the fuse chain sleeve is jumped.
- Silver plating for movable and fixed conduction part, assure good long-term contact and operation convenience, zinc plating for other steel part, high salt corrosion resistance, and assure long-term use at high salty and humid area.
- High strength of fuse cartridge, it can be activated for 5 times without abnormality under rated current.
- The installation device with ANSI specification is attached, can be installed on transverse wood pile.



Sectional Switch

Main characteristics:

- The sectional switch is suitable to be used below 40°C.
- The operation can only be activated under no load of circuit.
- Upon on or off, the safety operation bar should be operated vertically along the installation direction of switch.



Pulse Arrester

Main characteristics:

- Provide good impulse voltage protection characteristics.
- Provide stable zinc oxide bar, no continuous current, no gap, and quick response to lightning.
- With complete wet proof facility, gas tight inspection totally, high pollution resistance.
- Current leakage inspection totally, with high safety.
- Provide wide 50/60Hz overvoltage protection.
- No need of inspection and maintenance, suitable for long-term use.
- Provide isolator device (10kA), which can isolate pulse arrester and wire if there is pulse applied for long time exceeding rated time.



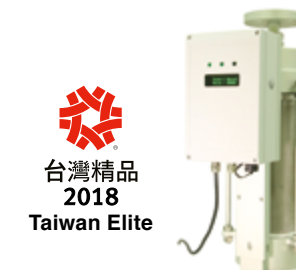
Capacitor

Main characteristics:

- Small volume and light weight
- Use ALL PP film interface with low loss
- Use NON-PCB insulation oil (PXE oil), no public hazard
- Small temperature rise, suitable to be installed in the panel
- Reduce invalid current, improve power factor
- High quality, long life
- High safety
- Prevent secondary hazard
- Small installation space
- Save maintenance manpower
- Protection equipment

Smart Accessories for Transformers

Stay alert with smart add-ons for transformers: Early diagnosis, accident prevention, manpower saving, energy saving, carbon reduction, alarm notification, remote detection and more.



台灣精品
2018
Taiwan Elite

Power class maintenance-free breather

- Can replace traditional breather to become maintenance free.
- Higher dehumidification ability is 1.4 times the traditional type.
- Uses colorless and nontoxic desiccant, can be heated for regeneration, high environment protection.
- IP56 protection class, with 33-year reliable life.
- Suitable for transformer above 10MVA.



台灣精品
2019
Taiwan Elite

Distribution class maintenance-free breather

- Can replace traditional breather, reach maintenance free.
- With higher dehumidification ability, the dehumidification ability is 1.4 times of traditional type.
- Use colorless and nontoxic desiccant, can be heated for regeneration, high environment protection.
- IP56 protection class, with 33-year reliable life.
- Suitable for transformer up to 10MVA.



台灣精品
2019
Taiwan Elite

Variable-frequency fan cooling energy saving system

- Can be installed on transformer heat dissipation fan or cooler.
- Uses industrial electron to replace integrated circuit, with extra high reliability.
- Can switch to the first set to activate fan, increasing fan life.
- With self-diagnosis function, switch back to normal mode at abnormal condition.
- Can save more than 80% power loss.



台灣精品
2018
Taiwan Elite

2nd generation earthing current detector

- Instant diagnosis for earthing current of transformer, metal core and clamp.
- Can evaluate three different inside abnormalities.
- Use of the Internet function, can issue an alarm instantly.



Transformer remote monitor system

- Use of the Internet function gathers sensing equipment at each end.
- On-line continuous collection of operation parameters, transfers to cloud instantly.
- Provides multiple remote monitor paths to cell phone, homepage and more.
- Provides Internet integration for smart transformer (refer to Before and After-Sales Service on P35).

Quality Assurance

“Care about customers, insist on six sigma” is the quality policy of our company.

This concept promotes our support and service for customers. Our company implements ISO9001 quality management system, six sigma improvement activities and encourages relevant quality events. We are committed to maintaining a system of excellence.

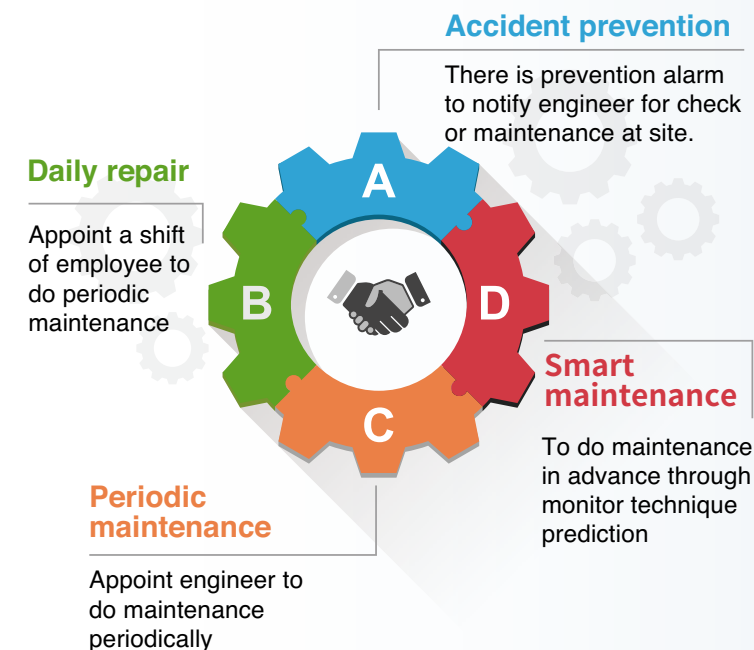


Before and After-Sales Service



Fortune Electric with top technology

In order to fulfill the needs of our customers, Fortune Electric has established a complete sales system, including before and after-sales service. Most customer demands are handled through our before-sales service which includes: Power planning, equipment information and technical support. After-sales service includes: Smart maintenance, accident prevention, periodic maintenance and regular checkups.



24-hour toll free telephone

Distribution Transformer: **0800-003-610**
 Power Transformer: **0800-060-889**
 Electrical panel, switch, GIS: **0800-023-678**
 Maintenance Section: L. M. Yang **0975-252622**
 Y. C. Fu **0913-809805**

Internet of things of smart transformer

On-line continuing collection of transformer operation parameters, use internet of things system cloud calculation, help customers to manage transformer smartly.

- History and maintenance system**
E-information of transformer, and provide customers with maintenance platform, E-management inquiry of transformer information and historical maintenance record.
- Remote monitor system**
Provide customers with remote monitor system, can use cell phone, computer to control operation status of transformer remotely.
- Life reduction analysis**
Use temperature, water content to provide customers with reference through artificial neural network developed by Fortune Electric.
- Smart maintenance system**
According to operation data, maintenance record, provide with customers smart maintenance recommendation, to maintain equipment per status.
- Monitor analysis report**
Provide professional report of hot point analysis, gas in oil analysis, oil paper water content analysis, etc.

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Since 1969



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