







About Us

PLUTOTECH is a Thailand based industrial electromechanical service company, established in 2004, Presently our services are covering nationwide and Southeast Asia in several industrial sectors;

Our stand is clear; we make our customers be the champion of their accountability.



WE EMPOWER PERFORMANCE



Vision

WE MAKE EVERYONE TRUSTS AND
WINS THE GAME OF PERFORMANCE

We exist on our experts and
creativity in our solution and
service business of electro-
mechanical systems that make
everyone trust and wins the game
of performance.





Mission

Our mission is to provide creative and trusted solutions and services. by our expertise in area of electro-mechanical systems to main industries, power plants, energy, electric transportations and utility owners, across the AEC.

WE ARE COMMITTED TO CREATE VALUES,
HAPPINESS AND MAKE DIFFERENCES
TO OUR COMMUNITIES AND
STAKEHOLDERS.





PLUTOTECH's development

3 MAIN SERVICE CENTERS

250 SKILLED TECHNICIANS AND ENGINEERS.

5,000 SQM. WORKSHOP AREAS, 6 X20+4X5 TONS OVERHEAD CRANES (IN 3 STRATEGIC LOCATIONS)

YEAR 2004



May-2004
Established Plutotech
It was called U-Services(Saraburi)
at the beginning stage
(after took over ABB Service
Workshop)

YEAR 2012



Consolidation
(share holders) and
renamed to
**Plutotech Company
limited**

YEAR 2014



Established
Plutotech-
Rayong-Center

YEAR 2017



ESTABLISHED
PLUTOTECH MALAYSIA
REPRESENTATIVE
OFFICE

SPECIAL COMPANY'S FACILITIES

- 3m x 6.5 m tank-VPI Plant
- 6x20tons lifting capacity OH cranes
- High voltage coil making shop
- Wire Arc Spray &
- HVOF-Metallization
- Laser welding machine
- Sand blasting and Glass Bead
- 3x 3 tons, 10 tons and 20 tons Dynamic Balancing Machines.
- High frequency induction heating machine
- Core loss tester



SARABURI WORKSHOP



SARABURI WORKSHOP

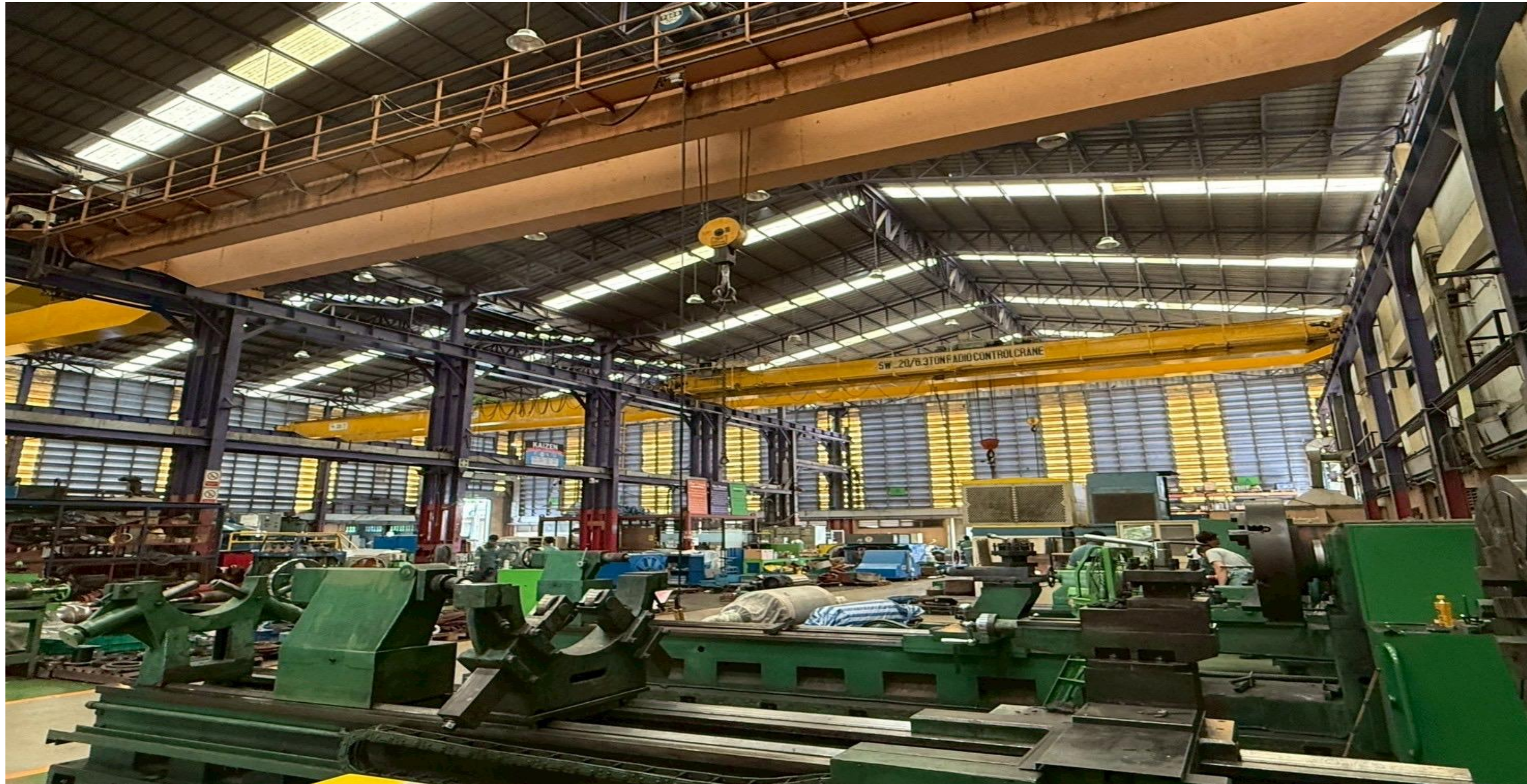


SARABURI WORKSHOP





SARABURI WORKSHOP



SPECIAL FACILITIES

- 1.5m x 2m tank-VPI Plant
- Sandblasting
- Wire Arc Spray & HVOF-Metalization
- Sand blasting and Glass Bead
- 1x 3 tons, and 20 tons Dynamic Balancing Machines.
- 3D Scanner

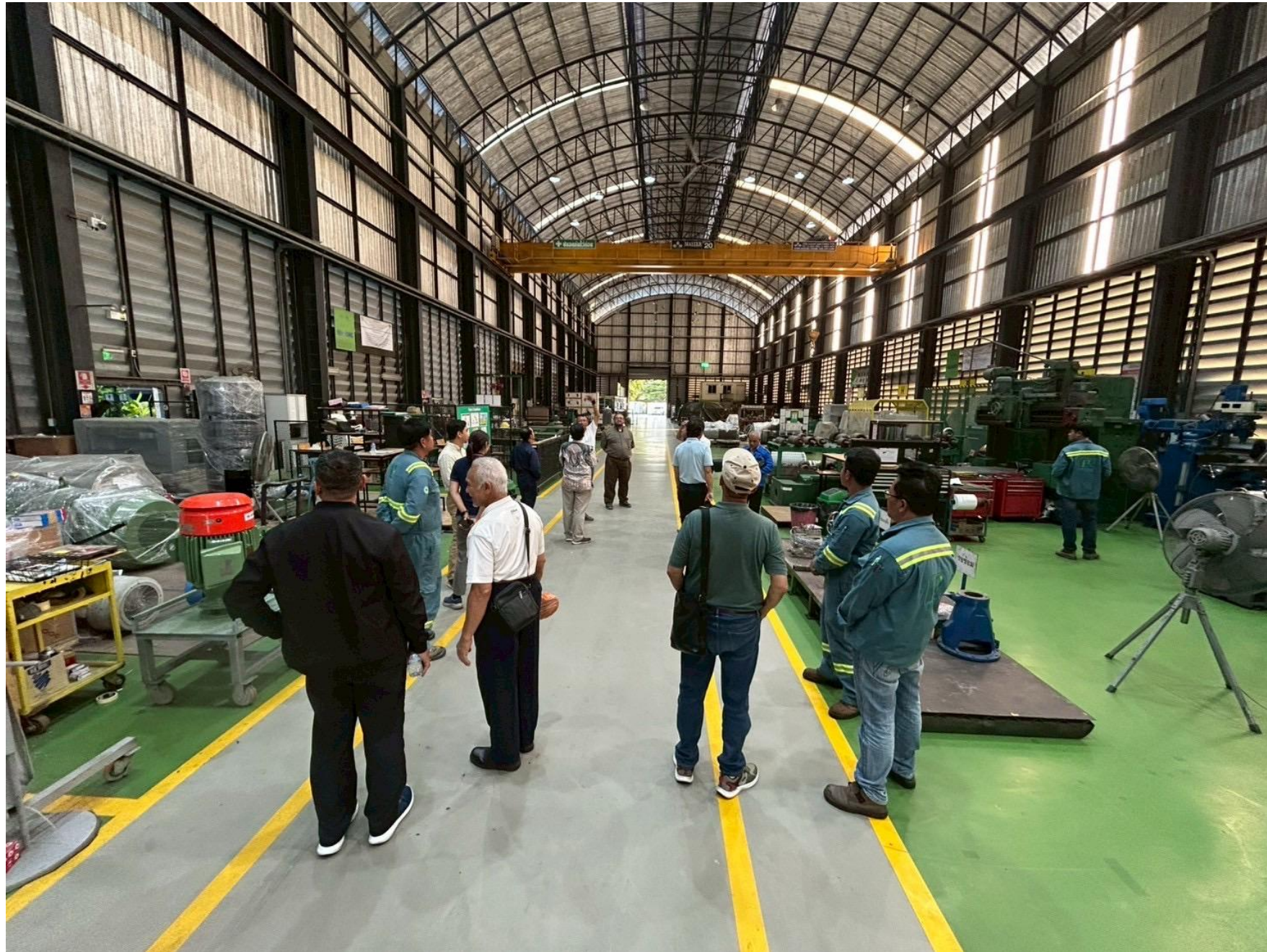
RAYONG WORKSHOP



RAYONG WORKSHOP



RAYONG WORKSHOP



RAYONG WORKSHOP



SPECIAL FACILITIES

- 3m x 6.5 m tank-VPI Plant
- High voltage coil making shop
- Wire Arc Spray & HVOF-Metalizations
- Sand blasting and Glass Bead
- 3x 3 tons, 10 tons and 20 tons Dynamic Balancing Machines.

KHONKHAEN WORKSHOP





Services Scope

**Predictive and condition based.
Failure analysis and Resolutions**

Repair and Maintenance

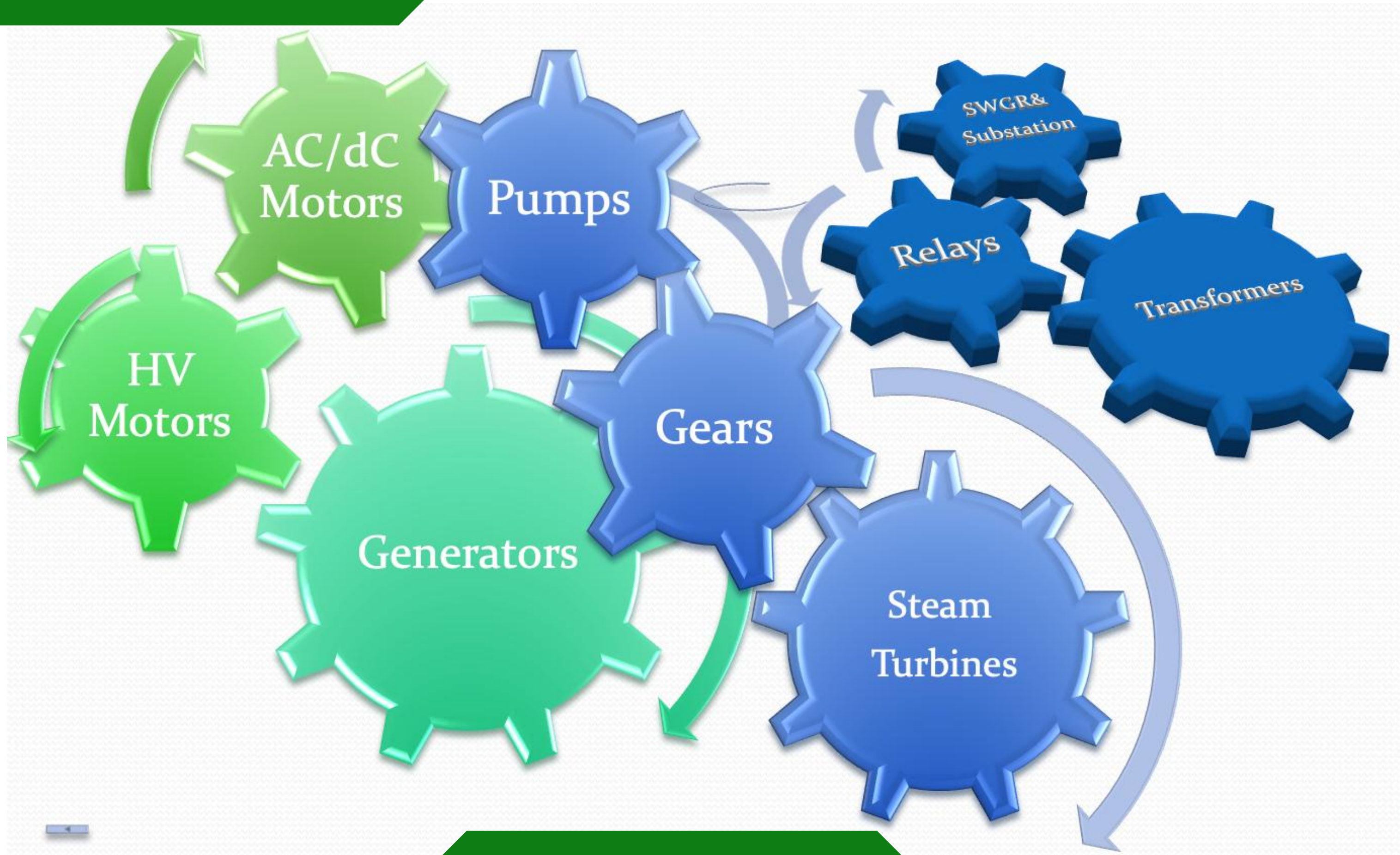
**Engineering services
and solutions**

Installation projects

Test & Commissioning

**Modification
Upgrading
Rehabilitation**

**New Supply
Spare parts
Service Contracts**



Workshop Areas



WORKSHOP AREA TESTING STATION



HV 12 KV SURGE COMPARISON TESTER & 12KVDC HIPOT



CORE LOSS TESTER



HV AC HIPOT TESTER 24

KV



WORKSHOP AREA MECHANICAL FITTING AREA



WORKSHOP AREA MACHINING & MILLING AREAS



WORKSHOP AREA

DYNAMIC BALANCING M/C



3 Tons



10 Tons



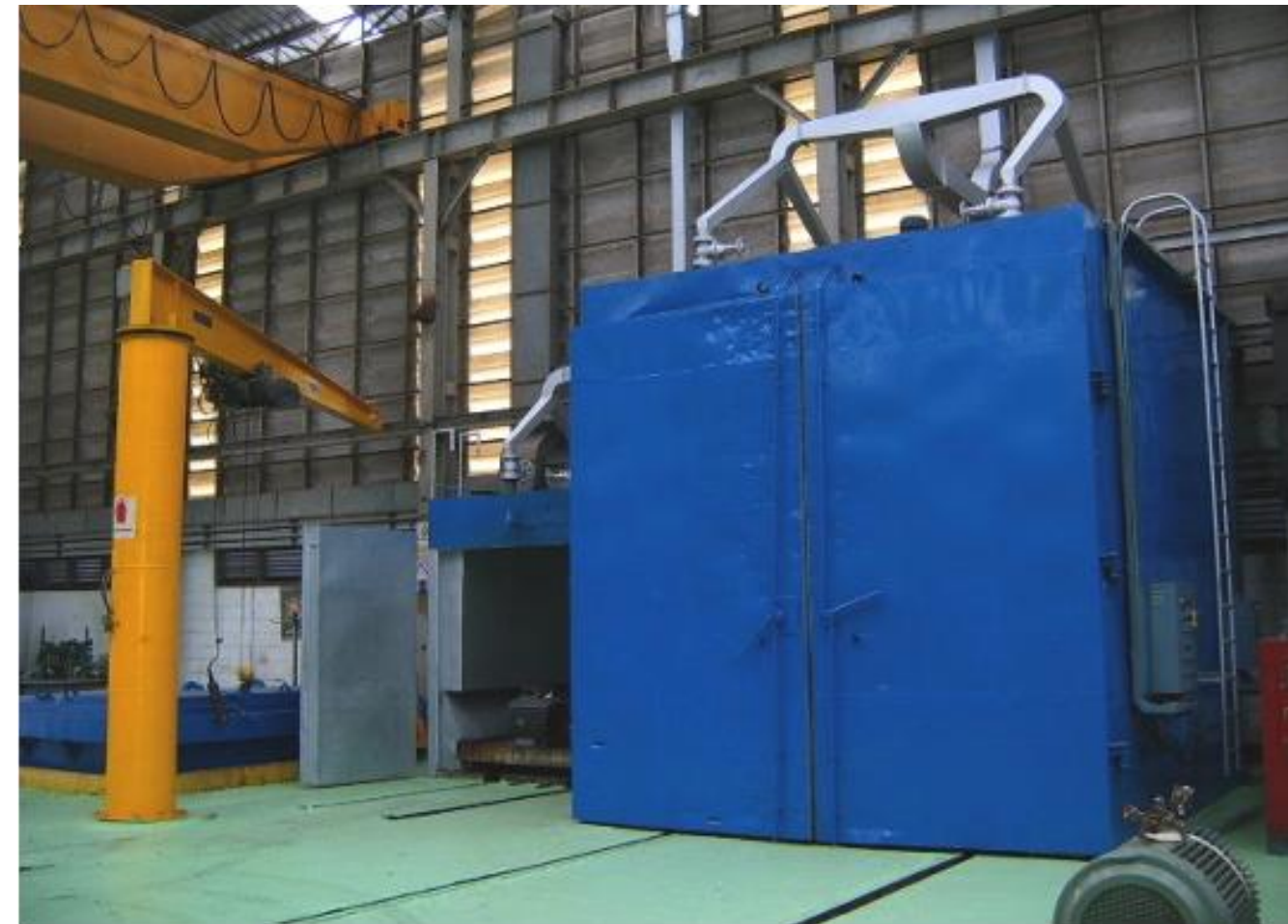
20 Tons

WORKSHOP AREA

ELECTRIC DRY-OUT OVENS



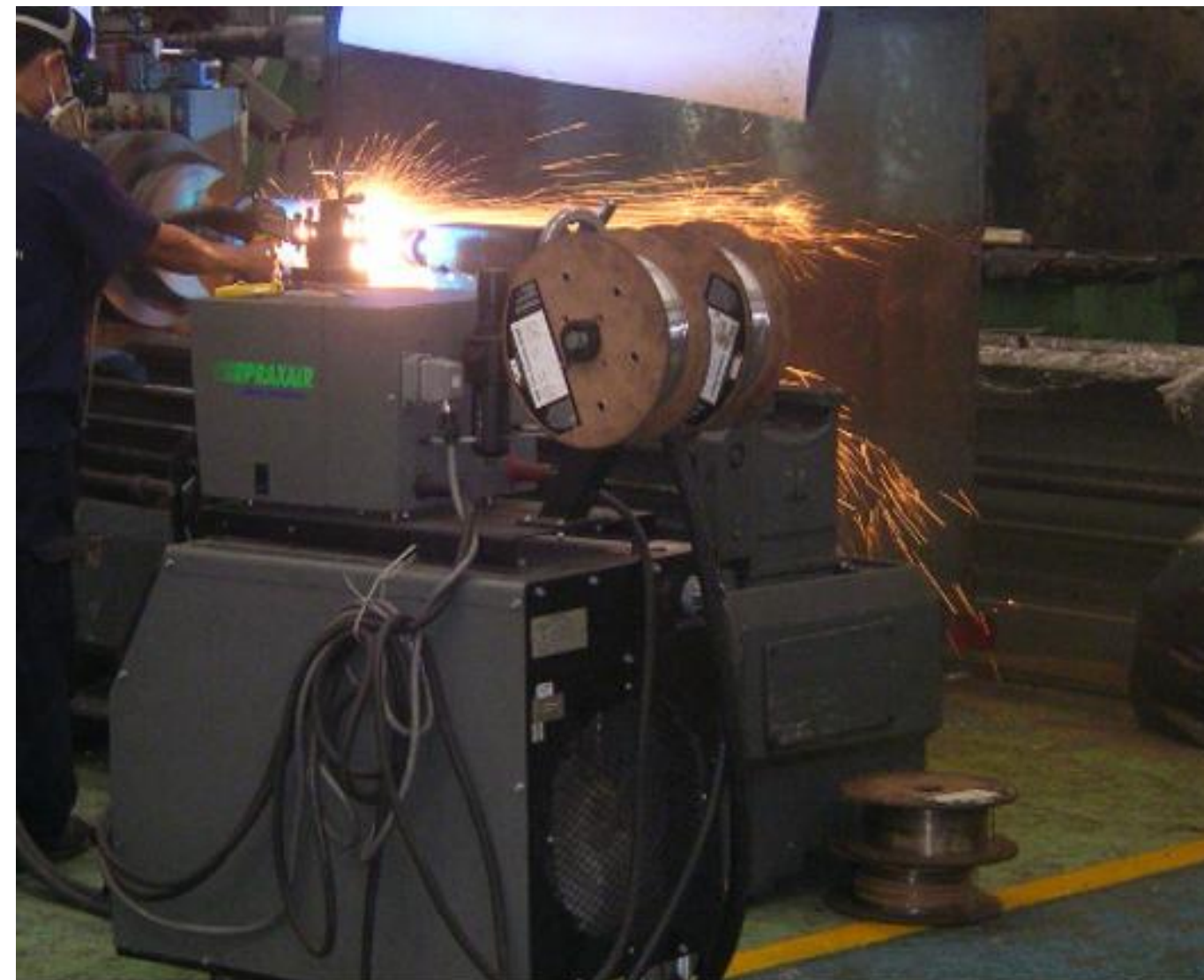
Auxiliary unit = 2x2x2
M3



Main unit = 4x4x4
M3

WORKSHOP AREA

WIRE ARC SPRAY - METALLIZATION



WORKSHOP AREA

HIGH VOLTAGE REWINDING



WORKSHOP AREA

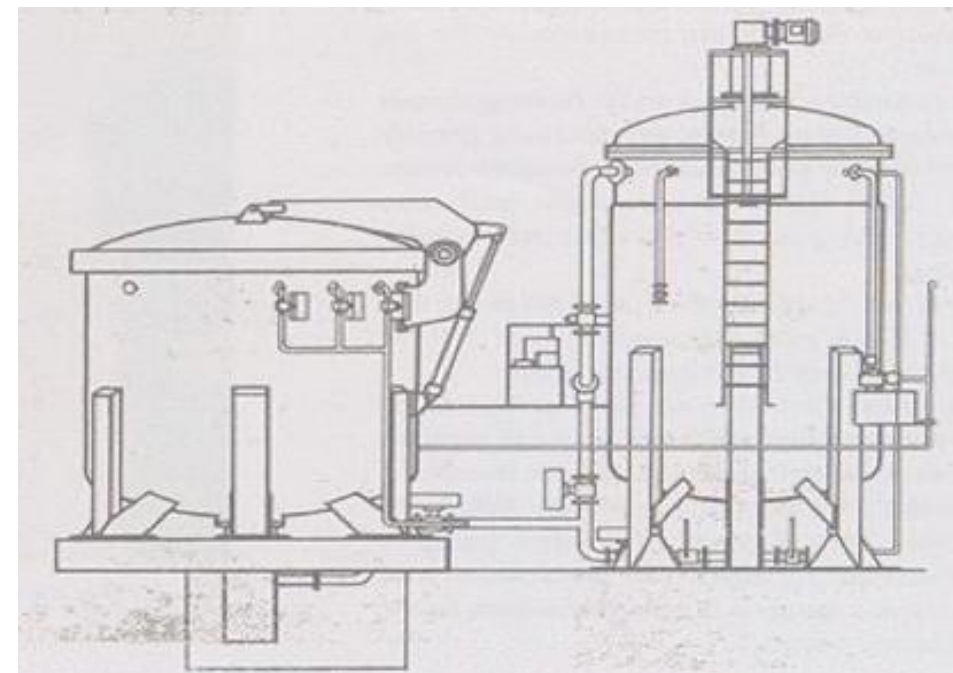
HIGH VOLTAGE REWINDING



PROGRAMABLE WINDING MACHINE

WORKSHOP AREA

VPI(Vacuum Pressure Impregnation) Plant



IMPREGNATION VACUUM TANK DIAMETER = 3.0 M, DEPTH = 4.5 M

RESIN: EPOXY RESIN-EPOXYLITE 578E

SINGLE COMPONENT EPOXY RESIN

PLANT CYCLE: 3 ALTERNATIVES

- **LOW VOLTAGE WINDING**
- **HIGH TENSION WINDING**
- **11 KV STATOR WINDING**

VACUUM PROCESS CAPABILITY: 0.2 MILLI-BAR

TANK PROCESS PRESSURE=6 BARS

STORAGE TANK CAPACITY: 15,000 LITRES

COMMENTS :

IT IS THE LARGEST VPI PLANT IN THAILAND AND SOUTH EAST ASIA

Testing Tools and Quality Systems, Special Tools, VPI System

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Testing TOOLS AND EQUIPMENT



**HIGH FREQUENCY INDUCTION HEATING
MACHINE**



**ELECTRICAL
TOOLS**



QUALITY SYSTEM



• FOLLOW THE EASA MANUAL
FORELECTRICAL AND MECHANICAL
MACHINE SERVICE AND REPAIRING

- ISO9001:2015
- ISO45001:2018
- AEMT-STANDARD PRACTICE



Certificate Number TH12/6552



QUALITY SYSTEM

CERTIFICATION FOR EXPLOSIVE ATMOSPHERES

IEC EX COC CERTIFIED SERVICE FACILITY

IECEX CoC
Certified Service Facility

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX SIR S0023** Page 1 of 1 Certificate history:
Status: **Current** Issue No: 1 Issue 1 (2021-12-13)
Date of Issue: 2021-12-13 Issue 0 (2014-08-21)

Applicant: **Plutotech Company Limited**
Rayong Branch
18/18 Charemphattana Road
Huaypong Muang
Rayong 21150
Thailand

Type of Service: **Repair and Overhaul according to IEC 60079-19**

Type of Protection: **Flameproof Enclosure "d", Increased Safety "e", Type of Protection "n"**

Scope of Service: **Repair and overhaul of rotating machines to Ex d, Ex e and Ex n**

Locations covered by this Certificate:
Plutotech Company Limited
Rayong Branch
18/18 Charemphattana Road
Huaypong Muang
Rayong 21150
Thailand

Facility Audit Report:
GB/SIR/FAR14.0003/00 GB/SIR/FAR14.0003/01 GB/SIR/FAR14.0003/02
GB/SIR/FAR14.0003/03 GB/SIR/FAR14.0003/04

This certificate is issued as verification that the Service Facility and associated locations were assessed and found to comply with the IECEx Scheme requirements, relating to the type and scope of service listed above. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 03 and Operational Documents as amended.

Approved for issue on behalf of the IECEx Certification Body: **Matthew Fielding**
Position: **Audits Team Manager**

Signature: (for printed version)
Date: (for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:
CSA Group Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom




EASA MEMBER
This Certifies that
Plutotech Co., Ltd.
Of Saraburi,
is an Active Member of the Association and, as such, is entitled to all the rights and privileges pertaining thereto.
2025-2026
This Certificate Expires March 31, 2026

President & CEO
EASA
The Electro-Mechanical Authority

EASA MEMBER

Specific Services



MOTOR SERVICES

- MOTOR RUNNING CONDITION ANALYSIS
- MOTOR TROUBLE SHOOTING
- OVERHAUL
- REWINDING STATOR, ROTOR
- MECHANICAL REPAIRING, HOUSING, SHAFT, SLEEVE BEARING ELECTRICAL TESTING
- ROTOR DYNAMIC AND FIELD BALANCING
- MOTOR PROTECTION TESTING
- MOTOR INSTALLATION, ALIGNMENT AND COMMISSIONING



GENERATOR SERVICES

- GENERATOR RUNNING CONDITION ANALYSIS TROUBLE SHOOTING
- GENERATOR OVERHAUL
- REWINDING STATOR, ROTOR, EXCITER MECHANICAL REPAIRING
- COOLING MAINTENANCE AND TESTING ELECTRICAL TESTING
- DYNAMIC AND FIELD BALANCING
- AVR AND GENERATOR PROTECTION TESTING



STEAM TURBINE SERVICES

- MINOR INSPECTION
- MAJOR OVERHAUL
- ROTOR DYNAMIC BALANCING
- ROTOR RE-BLADING
- SHAFT JOURNAL AND BEARING REPAIRING
- TURBINE VIBRATION ANALYSIS AND TROUBLE SHOOTING
- INSTALLATION AND ALIGNMENT



ELECRIFICATION SERVICES

- DESIGN AND ENGINEERING POWER DISTRIBUTIONS
- SWITCHGEAR RETROFIT PROJECT
- MDB & MCC SWITCHGEAR DESIGN ENGINEERING AND SUPPLY
- MV SWITCHGEAR SUPPLY AND INSTALLATON SERVICE



ELECRIFICATION SERVICES

SWITCHGEAR.

- PM AND CM
- ROUTINE MAINTENANCE AND TESTING; CLOSE-OPENED TIME, IR, CONTACT RESISTANCE
- REPAIR/REPLACE ELECTRO- MECHANICAL COMPONENTS
- COMMISSIONING TEST AND SPECIAL TEST
- FUNCTION AND OPERATING CLOSE-TRIP TEST
- CONTACT RESISTANCE TEST
- IR, HIPOT TEST
- INSULATION POWER FACTOR TEST (TAN-DELTA)



ELECRIFICATION SERVICES

TRANSFORMER

POWER AND DISTRIBUTION TRANSFORMER MAINTENANCE, SERVICE AND COMMISSIONING-TESTING

- OIL SAMPLING FOR DGA AND BREAKDOWN TEST
- OIL FILTRATION AND PURIFY MAINTENANCE TESTING
- COMPONENT REPAIRING
- ONSITE AND WORKSHOP OVERHAUL
- INSULATION POWER FACTOR AND HIPOT TEST
- COMMISSIONING TEST WINDING AND WINDING
- INSULATION, RATIO, VECTOR- GROUP, INSULATION POWER FACTOR TEST
- OIL SAMPLING FOR DGA AND BREAKDOWN TEST
- OIL FILTRATION AND PURIFY



ELECRIFICATION SERVICES

PROTECTIVE RELAY

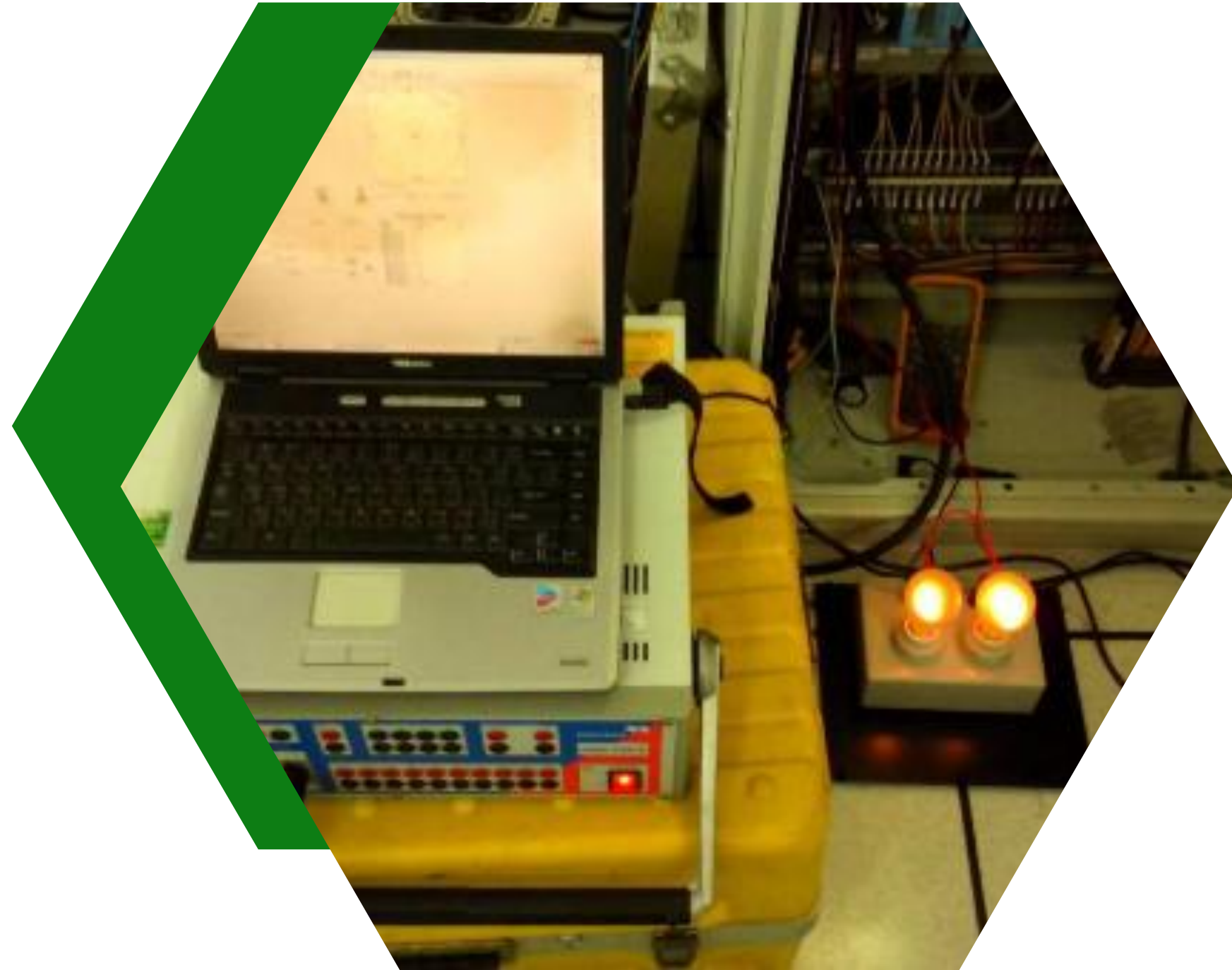
CALIBRATION AND TESTING

- Characteristic test
- Service setting test
- Trip/alarm function test
- Calibration and repairing

UPGRADE AND REPLACEMENT

NEW INSTALLATION

RELAY CO-ORDINATION



Customer References



Our Customers

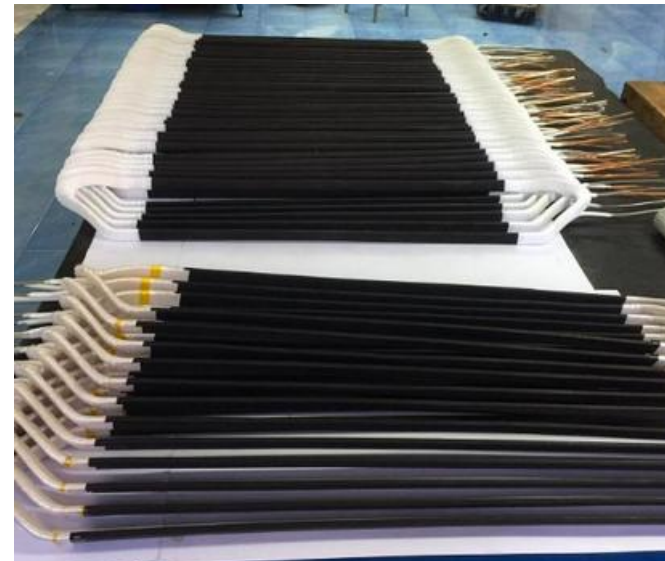


GULF-SIEMENS-63 MVA 11KV-SIEMENS GENERATOR SPARECOILS COMPLETE SET



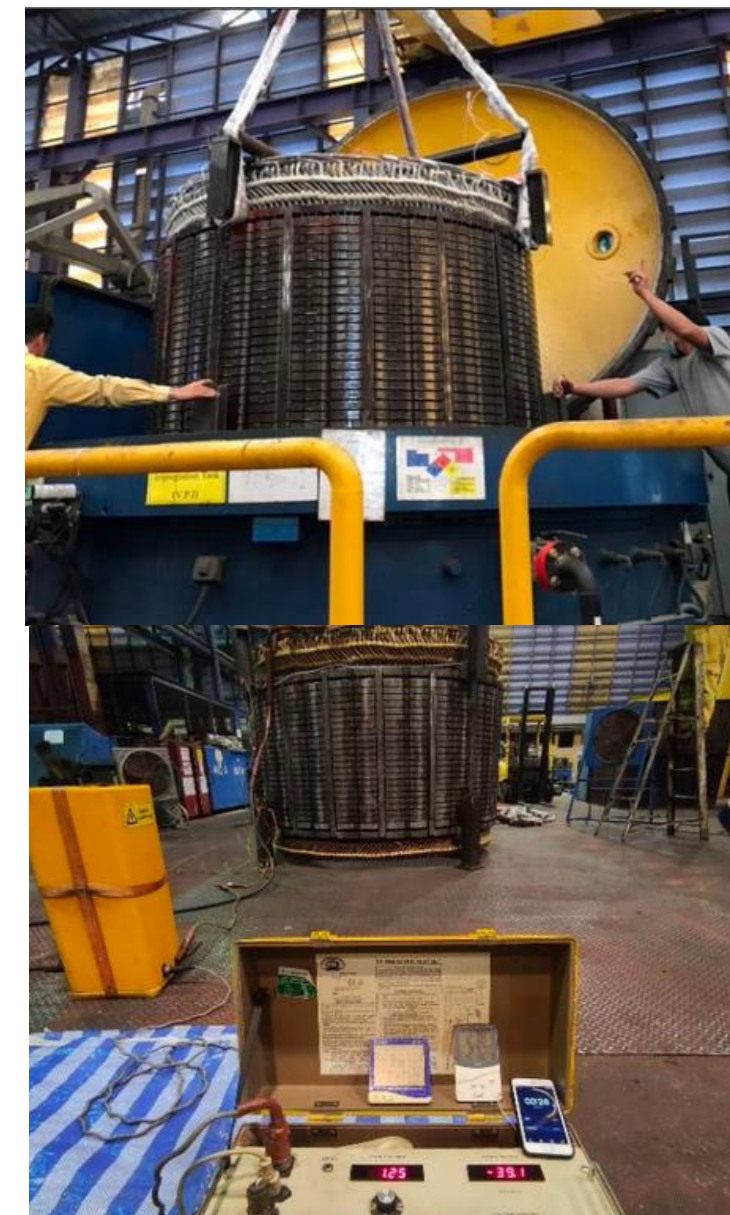
Some-References

THE MOTOR STATOR REWINDING AND GLOBAL VPI (YEAR 2022) : 4220KW, 11000V
Plant: Jimah O&M Sdn Bhd. / Jimah Power Plant, Malaysia



Reference

THE MOTOR STATOR REWINDING AND GLOBAL VPI (YEAR 2022) : 4150KW, 11000V
Plant: MALAKOFF POWER BERHAD / Tanjung Bin Power Plant, Malaysia



Reference

THE MOTOR STATOR REWINDING AND GLOBAL VPI (YEAR 2023) : 2750KW, 11000V
Plant: MALAKOFF POWER BERHAD / Tanjung Bin 4, Malaysia



Reference

RESTACK & REWIND STATOR (YEAR 2023) : ELIN Motoren: 12000KW, 11000V
Plant : Linde (Thailand) Public Company Limited



Reference

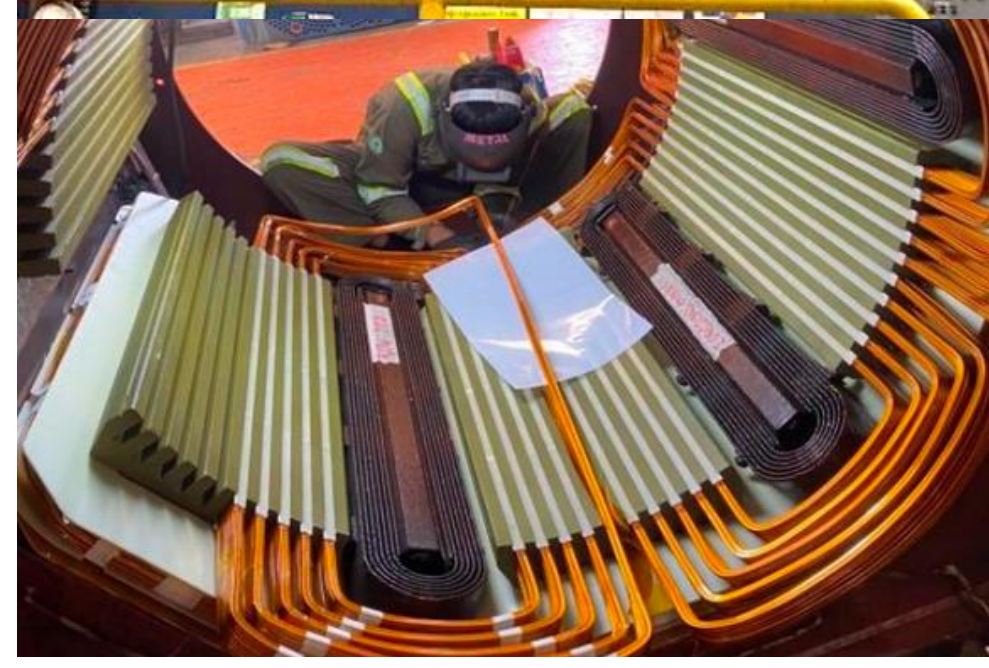
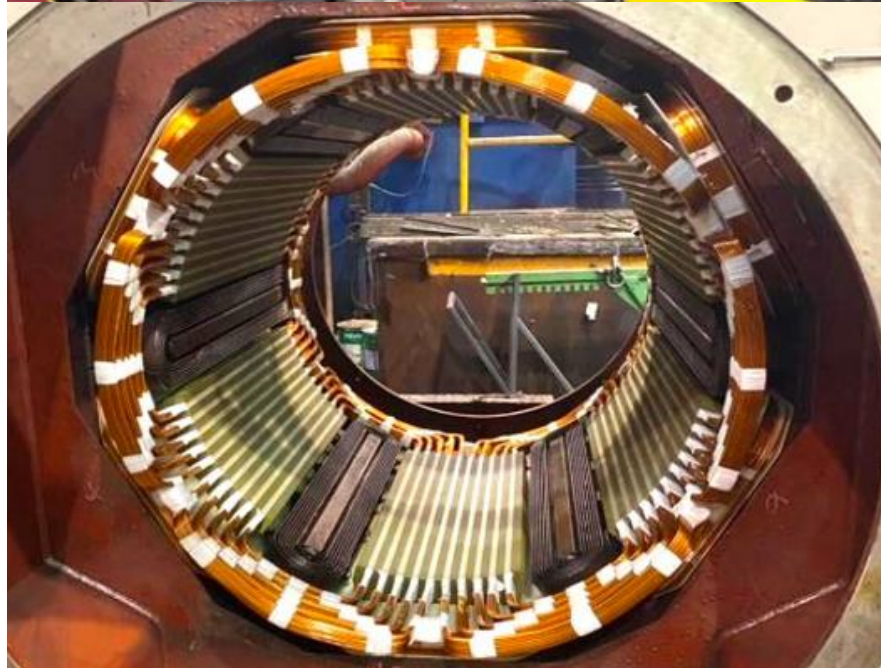
**RENEW SHAFT & REWIND STATOR , ROTOR (Y2019) : "ABB" 2100KW.6600V.
Plant : The Siam Cement (Kaeng Khoi) Company Limited**



Reference

REWIND STATOR DC MOTOR (Y2022) :DC MOTOR 1650KW.

Plant : POSCO-Thainox Public Company Limited

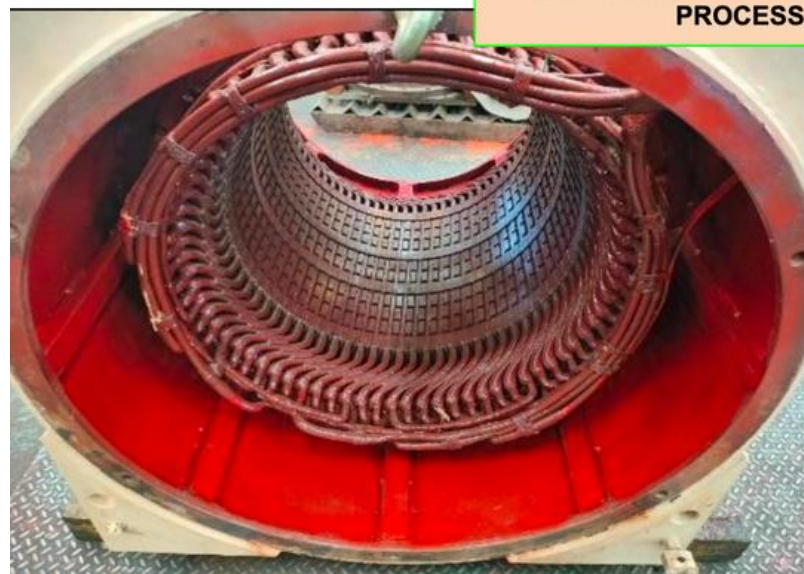


Reference

AC GENERATOR OVERHAULED (Y2022) : "MITSUBISHI" 750KVA.PRI.3300V
Plant : Mae Sariang hydroelectric power plant project



"MITSUBISHI" AC GENERATOR OVERHAULED
PROCESS, YEAR 2022

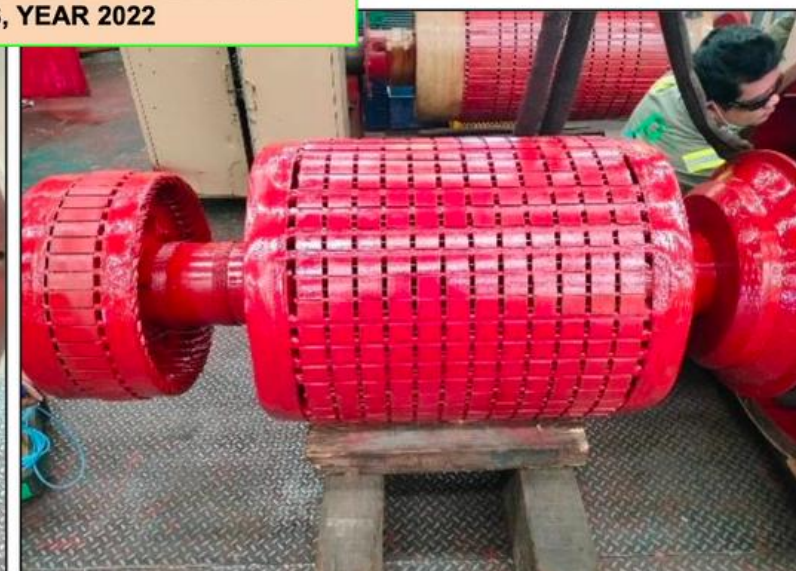
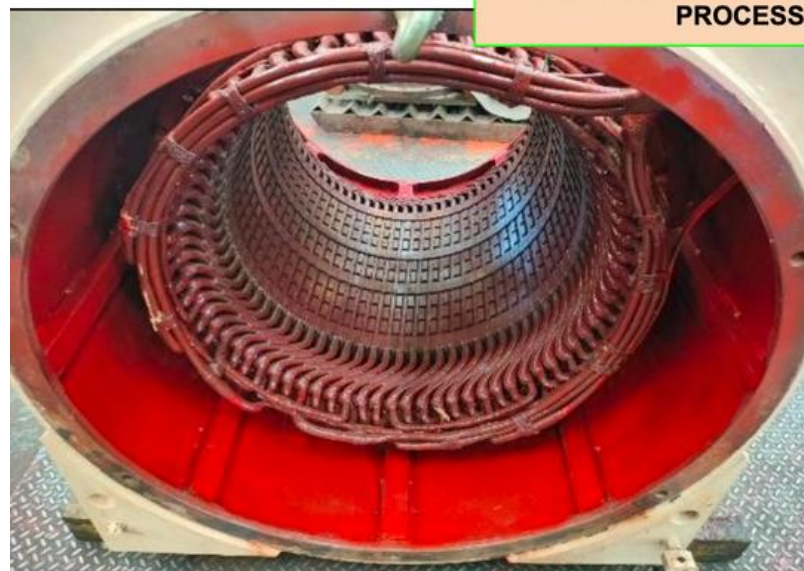


Reference

**AC GENERATOR OVERHAULED (Y2021) :NEWAGE STAMFORD 540/432KVA/KW., PRI.400V.
Plant : Mae Haad hydroelectric power plant project (Chiang Mai)**



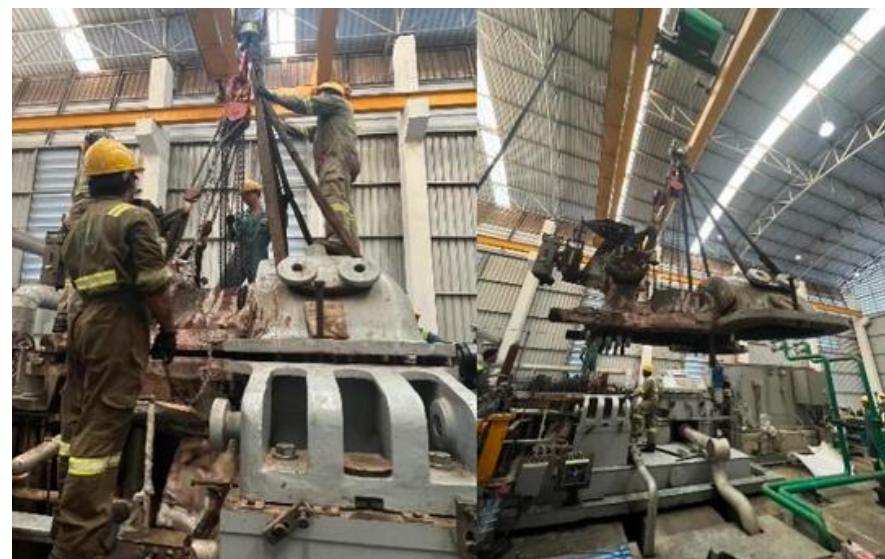
"MITSUBISHI" AC GENERATOR OVERHAULED
PROCESS, YEAR 2022



Reference

MAJOR OVERHAULED GENERATOR & STEAM TURBINE (YEAR 2023) : 9.9MW

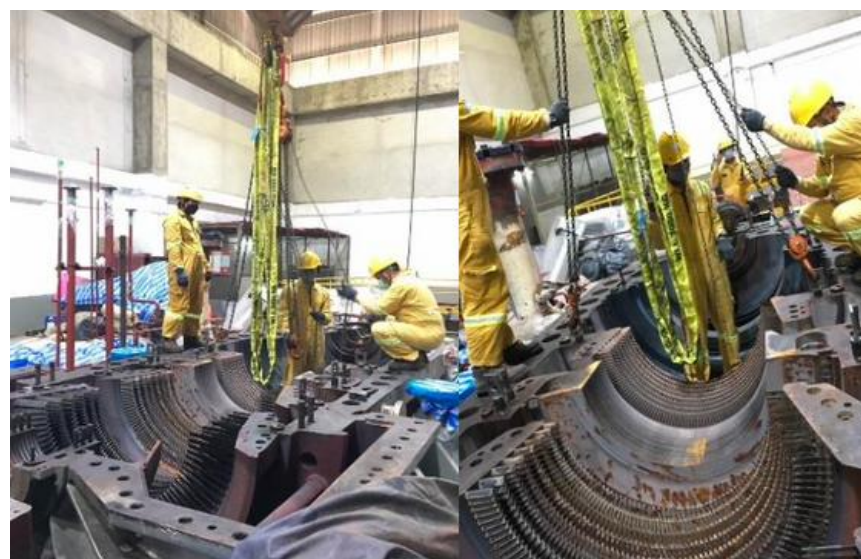
Plant: โรงไฟฟ้าพลังงานสะอาดเถิน



Reference

**Reconnect shaft rotor- GENERATOR & reblading STEAM TURBINE (YEAR 2023) :
40MW**

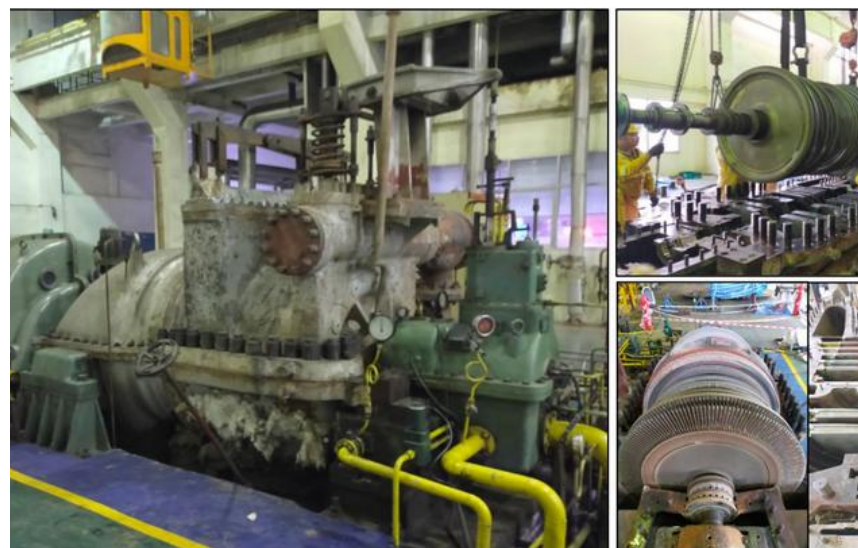
Plant: PANJAPOL PAPER INDUSTRY COMPANY LIMITED



Reference

MAJOR OVERHAULED GENERATOR & STEAM TURBINE (YEAR 2023) : 7.5MW

Plant: UNITED PAPER PUBLIC COMPANY LIMITED



Reference

MAJOR OVERHAULED GENERATOR & STEAM TURBINE (YEAR 2022) : 9.9MW

Plant: โรงไฟฟ้าพลังงานสะอาดบ่อพลอย



Reference

MAJOR OVERHAULED GENERATOR & EQUIPMENT REPAIR (YEAR 2018) : 12.5MW
Plant: E-SAAN SUGAR INDUSTRY CO.,LTD. (KALASIN)



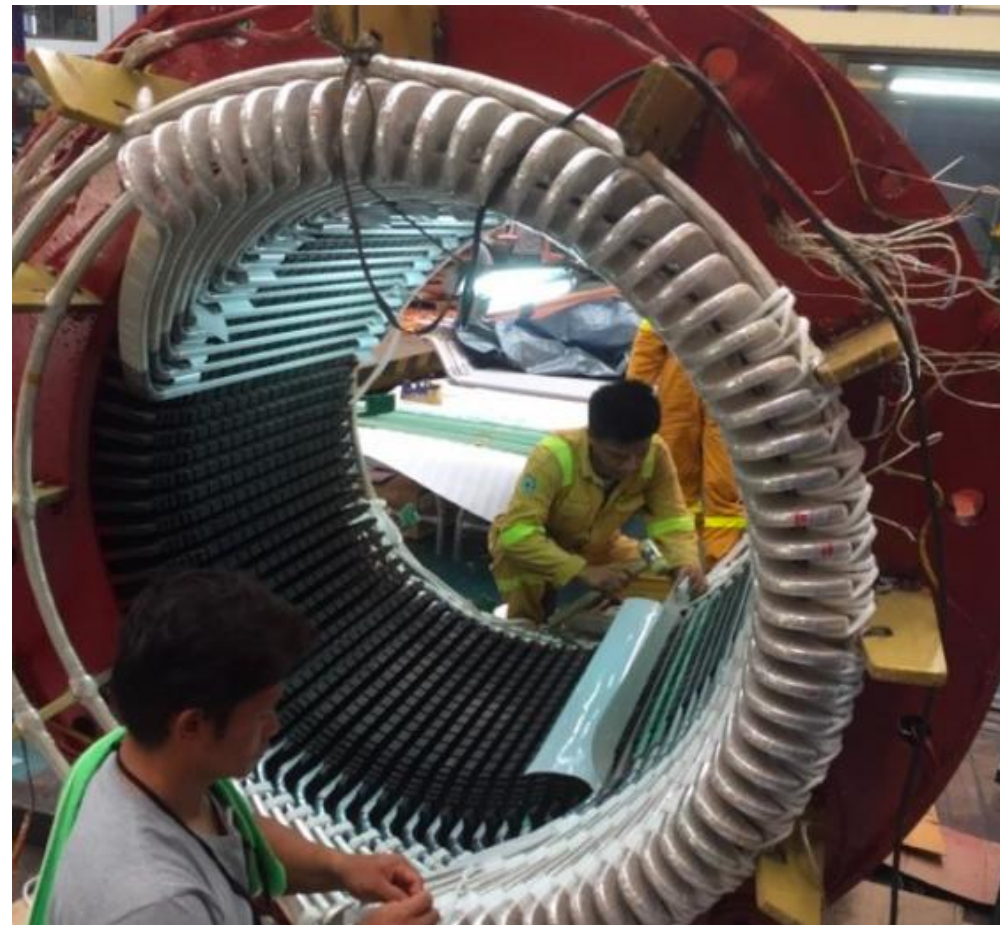
Reference

**Overhaul and Replace New Turbine Rotor , Overhaul Reduce Gearbox (YEAR2016) : 10 MW
Plant: Tha Chang Oil Palm**



Reference

MAJOR REWIND NEW COIL AND VPI INSULATION SYATEM GENERATOR (Y2017) : 9.9 MW
Plant: ADVANCE POWER CONVERSION CO.,LTD. (SITE: R-EEP)



Reference

MAJOR REWIND NEW COIL AND VPI INSULATION SYSTEM (Y18) : 11.8 MW
Plant: UWC AMPHAN BIOMASS COMPANY LIMITED



Reference

RE-INSULATION MAIN ROTOR WINDING OF GENERATOR (Y16) : 10 MW

Plant: ABB



Inserted coil after re-Insulation all new to slot



Dynamic balancing main rotor winding with dynamic balance machine "SCHENCK" (Tolerance accord to ISO 1940, Quality grade:G 2.5)



Found condition



New condition





GAS-TURBOGEN-STATOR COIL(ROEBEL BAR) MNF)

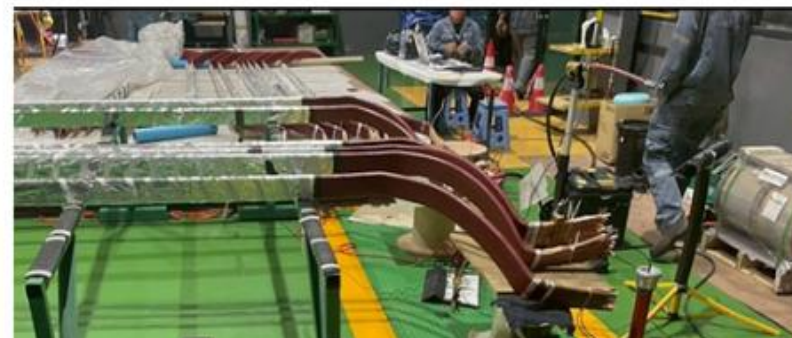
- **MANUFACTURING SPARE COIL 84 SETS AND ACCESSORIES**
- **HAFT COIL (ROEBEL BAR COIL)**
- **CUSTOMER : GULF NC COMPANY LIMITED**
- **FOR SYNCHRONOUS GENERATOR "BRUSH"**
- **POWER: 66125KVA, 11000V, 3000RPM.**
- **MANUFACTURING YEAR 2025**





Gas-TurboGen-Stator COIL(ROEBEL BAR) MNF

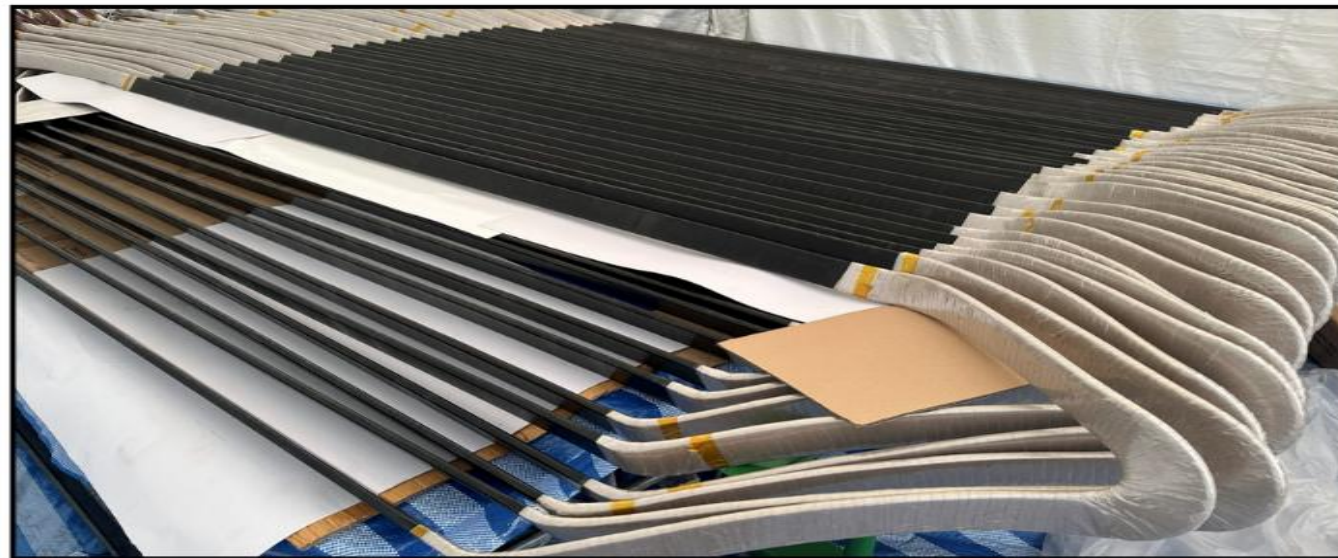
- MANUFACTURING SPARE COIL 84 SETS AND ACCESSORIES
- HAFT COIL (ROEBEL BAR COIL)
- CUSTOMER : GULF NC COMPANY LIMITED
- FOR SYNCHRONOUS GENERATOR "BRUSH"
- POWER: 66125KVA, 11000V, 3000RPM.
- MANUFACTURING YEAR 2025





ST-Gen-Stator Coil (RR)-MNF

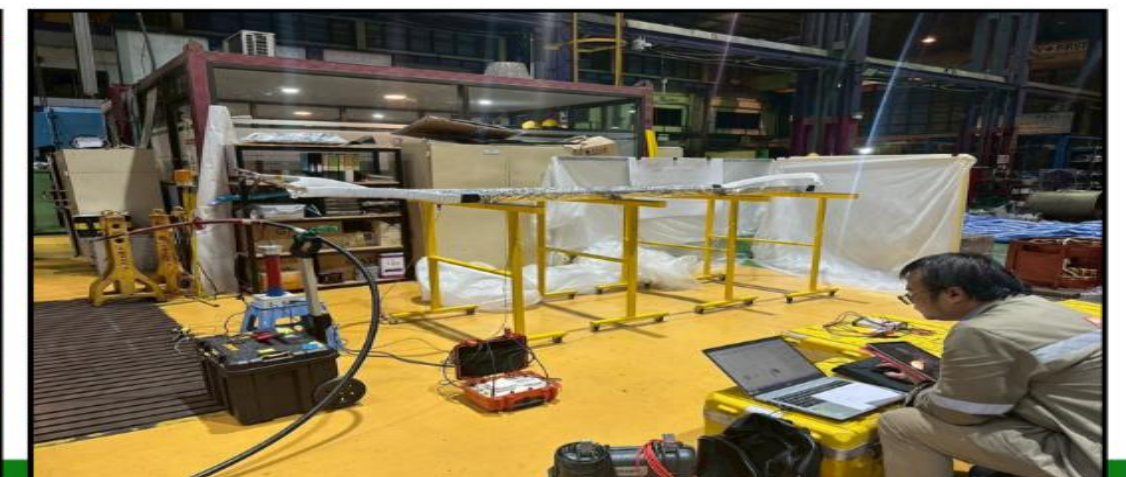
- MANUFACTURING SPARE COIL 122 SETS AND ACCESSORIES
- FULL COIL (DIAMOND COIL)
- CUSTOMER : GULF TS2 COMPANY LIMITED
- FOR GASTURBINE GENERATOR "SIEMENS"
- POWER: 63,663KVA, 11000V, 1500RPM.
- MANUFACTURING YEAR 2024





ST-Gen-Stator Coil (RR)-MNF

- MANUFACTURING SPARE COIL 122 SETS AND ACCESSORIES
- FULL COIL (DIAMOND COIL)
- CUSTOMER : GULF TS2 COMPANY LIMITED
- FOR GASTUBINE GENERATOR "SIEMENS"
- POWER: 63,663KVA, 11000V, 1500RPM.
- MANUFACTURING YEAR 2024



Contact Information





Contact Us

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