



Corporate Profile

BIG THREE STRATEGIES PTE LTD

Singapore: 60 Paya Lebar Road # 12 - 55 Paya Lebar Square Singapore 409051.

Indonesia: Jl. Yos Sudarso, Komplek Baloi Point Blok B1 No. 03, Baloi Indah, Lubuk Baja, Batam, Indonesia.



OUR RANGE OF ENGINEERING SERVICES

About Us

BIG Three Strategies is a Singapore-based, diversified engineering consulting firm established in 2009.

We specialize in providing niche engineering solutions to clients in the oil and gas, petrochemical, refinery, marine and offshore, shipbuilding, heavy engineering, heavy earth moving, and renewable energy sectors.

Our highly skilled professionals, inspectors and workmen offers expertise in the entire project management cycle, ranging from conceptualization of design, integrated construction management, installation to complete commissioning, operations and maintenance.



Design & Engineering

We assist in creating and developing ideal solutions for your project, specializing in structural design, engineering, materials, and fabrication.



Installation & Maintenance

Our team can assist with installation and maintenance, ensuring that your project is completed on time and on budget.



Regulatory Compliance

We are well-versed in all applicable regulations and can ensure that your project meets all relevant standards.



Troubleshooting & Support

Our team is available to provide troubleshooting and support when needed.

Business Organizational Structure



- ▶ **Multidiscipline Detailed Engineering**
- ▶ **Electrical, Instrument and Telecom (EIT) Installation Work**
- ▶ **Instrumentation and Control Automation**
- ▶ **Testing and pre-commissioning work**
- ▶ **Industrial Supply and Services/ Technical Assistance**
- ▶ **E-House Construction and Commissioning**
- ▶ **Project Consulting / Contingent workforce**

**“YOUR CHALLENGES
IN SERVICE SUPPORT
ENDS WITH US”**

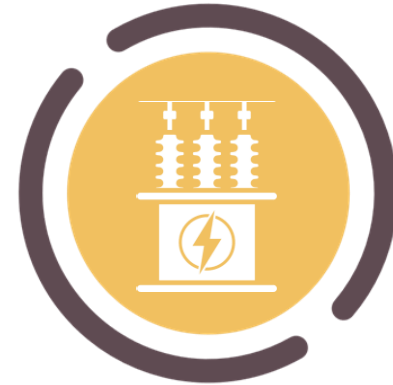
Our Services



SERVICES OFFERED



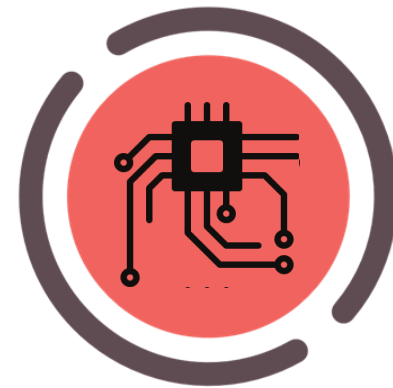
**SWITCH GEARS ASSEMBLING,
TESTING & COMMISSIONING**



**TRANSFORMER TESTING &
SERVICING**



**E-HOUSE CONSTRUCTION AND
COMMISSIONING**



E & I COMPONENTS SUPPLY



STRUCTURAL & ARCHITECTURAL	MECHANICAL & PIPING	HVAC and F&G
<ul style="list-style-type: none"> <input type="checkbox"/> Structural, Architectural Shop Drawings <input type="checkbox"/> Primary and Secondary Framing layout <input type="checkbox"/> False flooring details <input type="checkbox"/> Wall panelling details <input type="checkbox"/> Door schedule and Installation detail <input type="checkbox"/> Handrail, Ladder and Grating details <input type="checkbox"/> Deck and wall penetration Details 	<ul style="list-style-type: none"> <input type="checkbox"/> Piping Standard Detail Drawing <input type="checkbox"/> Weld map <input type="checkbox"/> Weld details <input type="checkbox"/> Cutting plan <input type="checkbox"/> Cutting list and Nesting plan <input type="checkbox"/> Pipe support details <input type="checkbox"/> Connection details <input type="checkbox"/> Piping isometric drawings 	<ul style="list-style-type: none"> <input type="checkbox"/> Heating & cooling load calculation <input type="checkbox"/> Airflow Diagram <input type="checkbox"/> HVAC Equipment Layout & Details <input type="checkbox"/> Duct layout and support detail drawing <input type="checkbox"/> Fire & Gas Device installation Details <input type="checkbox"/> Ducting and Instrument- D&ID <input type="checkbox"/> HVAC Field Devices Installation Details

Multidiscipline Detailed Engineering





Electrical, Instrument and Telecom (EIT) Installation Work



ELECTRICAL	INSTRUMENT	TELECOM
<ul style="list-style-type: none"> <input type="checkbox"/> Single Line Diagram <input type="checkbox"/> Cable Block Diagram <input type="checkbox"/> Electrical Cable Schedule <input type="checkbox"/> Cable Ladder/Try Layout <input type="checkbox"/> Cable Routing Plan <input type="checkbox"/> Interconnection Drawings <input type="checkbox"/> Electrical GA Drawings <input type="checkbox"/> Electrical Equipment Layout <input type="checkbox"/> Standard Electrical Installation Drawings <input type="checkbox"/> Electrical Data Sheets 	<ul style="list-style-type: none"> <input type="checkbox"/> Instrument Hook Up Drawings <input type="checkbox"/> Instrument Index <input type="checkbox"/> Instrument Data Sheet <input type="checkbox"/> Instrument Loop Drawing <input type="checkbox"/> Input/output List (I/O List) <input type="checkbox"/> Typical Instrument Installation Details <input type="checkbox"/> P&ID Drawings <input type="checkbox"/> Instrument Location Drawing <input type="checkbox"/> Instrument Cable Schedule 	<ul style="list-style-type: none"> <input type="checkbox"/> Typical Telecom Installation Details <input type="checkbox"/> Telecom Equipment Layout <input type="checkbox"/> PA/GA Layout <input type="checkbox"/> CCTV System Layout Drawings <input type="checkbox"/> PA/GA Connection Diagram <input type="checkbox"/> Telecom Cable schedule <input type="checkbox"/> Telecom Location Layout Drawing <input type="checkbox"/> UHF/VHF Antenna Layout Drawing <input type="checkbox"/> Telecom Equipment Wiring Diagram <input type="checkbox"/> LAN / Data Out Let Layout Drawing

Electrical, Instrument and Telecom (EIT) Installation Work





Testing and pre-commissioning work



Our company provides electrical testing and servicing solutions to clients in a variety of industries. We offer different types of services, our experience and expertise, our safety standards, and how we can help your business stay safe and compliant.

Services

Our team provides a wide range of electrical testing and servicing solutions, including:

- ▶ Electrical inspections
- ▶ Testing and Commissioning
- ▶ Electrical maintenance
- ▶ Electrical repairs
- ▶ Electrical Design, Manufacture and Wirings
- ▶ Power quality analysis
- ▶ Thermo graphic surveys

We work with businesses of all sizes and are committed to providing high-quality services that keep your electrical systems running safely and efficiently.



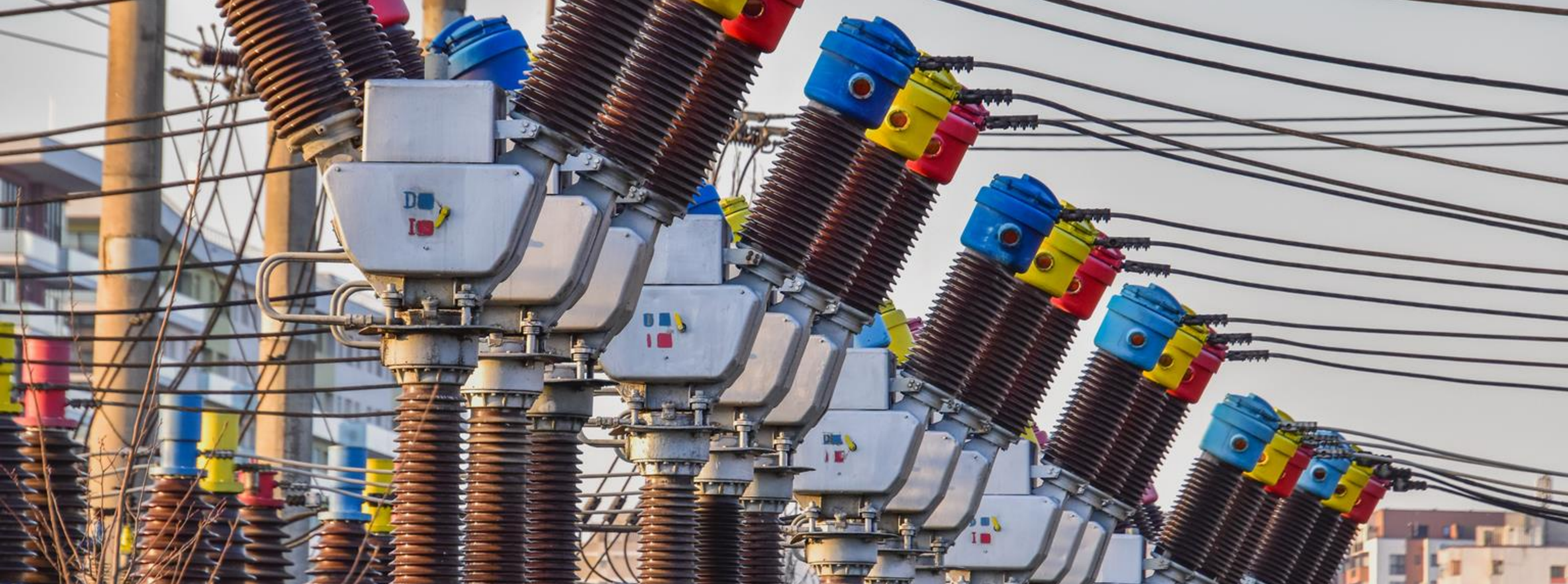
Experience and Expertise

Our team consists of highly qualified and experienced professionals with years of experience in the electrical industry. We have worked on a variety of projects, including:

- ▶ Power Substations
- ▶ Shipyards
- ▶ Electrical maintenance
- ▶ Commercial buildings
- ▶ Industrial facilities
- ▶ Data centers
- ▶ Hospitals and healthcare facilities

We are equipped with state-of-the-art tools and technology to ensure that our services are fast, efficient, and accurate.





TRANSFORMER TESTING & SERVICING



Experience and Expertise

Our team consists of highly qualified and experienced professionals with years of experience in the transformer industry. We have worked on a variety of projects, from small businesses to large industrial facilities, and we are equipped with state-of-the-art tools and technology to ensure that our services are fast, efficient, and accurate





Our company specializes in providing transformer testing and commissioning services to a variety of clients in the industrial and commercial sectors.

The Importance of Transformer Testing and Commissioning Transformers are a vital component of many industrial and commercial operations, and their proper functioning is essential to ensuring smooth and safe operations. Regular testing and commissioning of transformers can help identify and address any issues before they become a major problem, reducing downtime and preventing costly repairs.



Our Services We offer a comprehensive range of transformer testing and commissioning solutions, including:

Services

Our team provides a wide range of electrical testing and servicing solutions, including:

- ▶ Transformer installation and commissioning
- ▶ Routine and periodic testing
- ▶ Oil analysis and treatment
- ▶ Fault investigation and analysis
- ▶ Transformer maintenance and repair



Our services are customizable and can be tailored to meet the unique needs of your business.





E-HOUSE CONSTRUCTION AND COMMISSIONING



Our Service

E-House/LER Construction and Commissioning is a specialized field of engineering that involves the installation and maintenance of electrical systems and equipment in commercial and industrial settings. This includes the installation of wiring and conduit, the installation and programming of control systems, and the testing and commissioning of equipment. E-House/LER Construction and Commissioning professionals are responsible for ensuring that all electrical systems are properly installed and operated to meet safety standards and meet the needs of the customer. They also provide ongoing maintenance and troubleshooting services to ensure the system remains operational.

- **Design and Engineering**
- **Fabrication**
- **Transportation**
- **Installation**
- **Electrical Connections**
- **Testing**
- **Commissioning**
- **Handover**
- **Maintenance and Support**





INDUSTRIAL COMPONENTS SUPPLY & TECHNICAL ASSISTANCE



Overview

Our company specializes in providing high-quality electrical and instrumentation (E & I) components for a wide range of industries, including oil and gas, chemical, petrochemical, power, and others.

We have a team of experienced professionals who are committed to providing the best E & I components and solutions to our clients.



Our product range includes:

Electrical Components

- ▶▶ Low voltage and medium voltage switchgear
- ▶▶ Distribution boards
- ▶▶ Motor control centers
- ▶▶ Transformers
- ▶▶ Circuit breakers
- ▶▶ Fuses and accessories
- ▶▶ Cables and cable accessories

Instrumentation Components

- ▶▶ Pressure, temperature, and flow transmitters
- ▶▶ Control valves and actuators
- ▶▶ Analyzers and sensors
- ▶▶ Flow meters
- ▶▶ Control panels
- ▶▶ SCADA systems



We source our products from leading manufacturers and suppliers around the world and ensure that they meet the highest quality standards. Our team of experts provides technical support to our clients and helps them to choose the right components for their specific needs.

Our services include

Supply of E & I Components

We provide a wide range of E & I components from leading manufacturers and suppliers

Technical Support

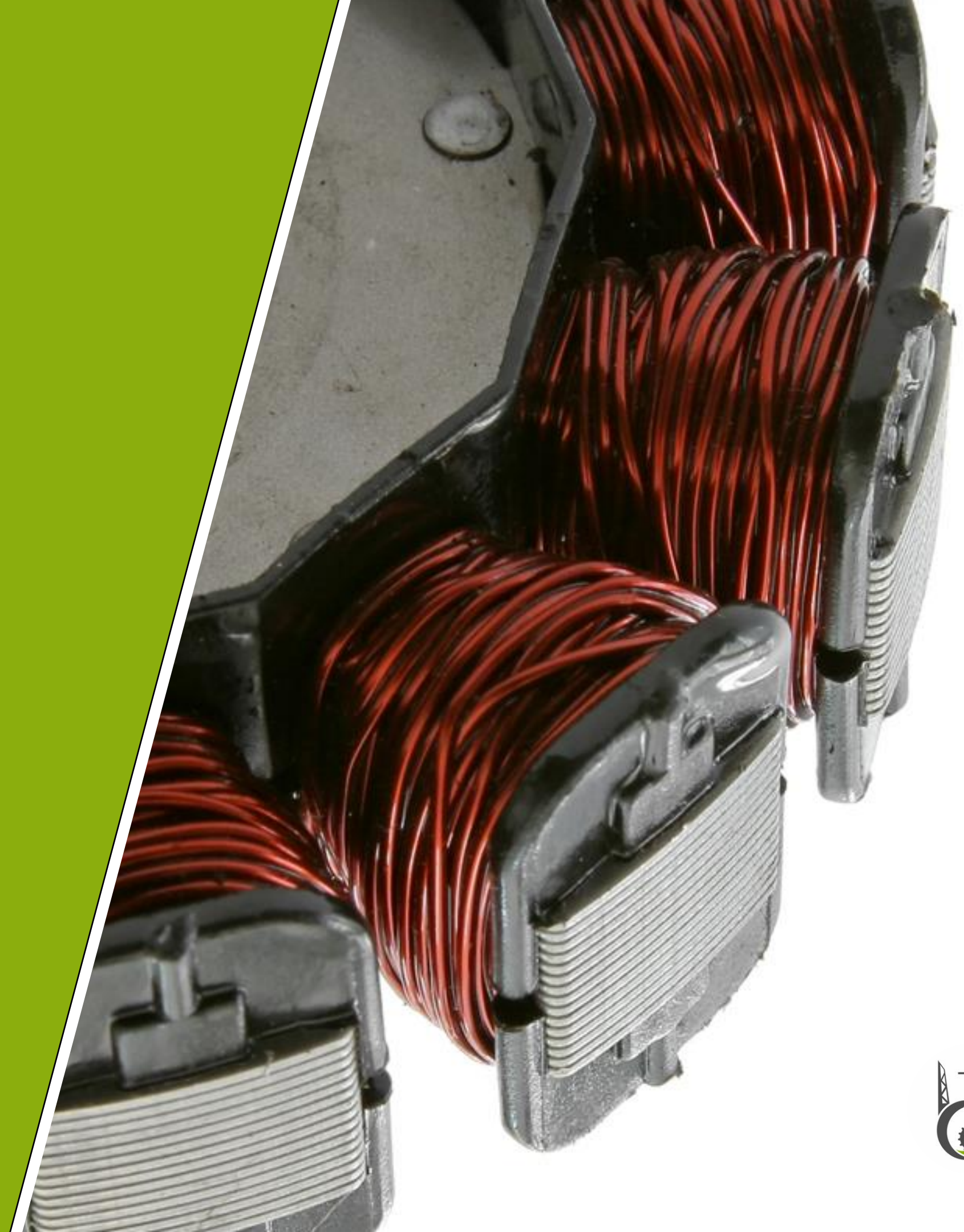
Our team of experts provides technical support to our clients and helps them to choose the right components for their specific needs.

Commissioning and Testing

We provide commissioning and testing services for E & I components to ensure that they operate efficiently and effectively.

After-sales Service and Maintenance

We provide after-sales service and maintenance to ensure that E & I components operate efficiently and effectively throughout their lifecycle.



Project Consulting / Contingent workforce



BIG Three's highly skilled professionals and workmen have expertise ranging from entire project management cycle, from conceptualization of design, integrated construction management, installation to complete commissioning, operations and maintenance.

Testing Team for HV / MV / LV

Scope of Works:

Visual/Mechanical Inspections

- ▶▶ General Visual and Mechanical Inspections
- ▶▶ Wiring and Bolted Connection Checks
- ▶▶ General Wiring Checks

Electrical

- ▶▶ Bolted Connection Electrical Tests
- ▶▶ Surge Arresters
- ▶▶ System Function Test
- ▶▶ Current Injection Tests
- ▶▶ Metering Electrical Tests
- ▶▶ Control Power Transfer Scheme
- ▶▶ Circuit Breakers and Switches function tests
- ▶▶ Instrument Transformers tests
- ▶▶ Control Wiring Electrical Tests
- ▶▶ Dielectric Withstand Tests
- ▶▶ Insulation Electrical Tests
- ▶▶ Tests to Prove the Strength of Gas-Filled
Compartment up to 6 bar Gauge Pressure - Switchgear
- ▶▶ Tightness Test of Gas-Filled Switchgear - Switchgear
- ▶▶ HV / MV Transformer Tests
- ▶▶ HV cable loop check and Ductor Test



Production Team HV / MV / LV

Scope of Works:

- ▶▶ Setup all the cabinets
- ▶▶ Equipment Installation to the panel
- ▶▶ Arrangements and installation of power cables and communication cables to require equipment
- ▶▶ Arrangements and installation of all rail, trucking etc.
- ▶▶ Installation of all free issue components
- ▶▶ Wiring for power controls and I/O signalling cables to terminal blocks
- ▶▶ Fix all MCBs, relay, IO Module, terminals and accessories
- ▶▶ Install all cable markings, labeling, tagging
- ▶▶ Assembling of controller panels

Site Installation Team HV / MV / LV

Scope of Works:

- ▶▶ Installation work for MV / LV SWBD
- ▶▶ HV / MV / LV SWBD Cable Pulling and Termination
- ▶▶ Control cables termination between the Panels or cubicles
- ▶▶ Visual and Mechanical Inspections
- ▶▶ Wiring and Bolted Connection Checks
- ▶▶ General Wiring Checks
- ▶▶ Contact resistance test
- ▶▶ Insulation resistance test
- ▶▶ Dielectric withstand voltage test



HV / MV / LV Transformer Testing & commissioning

Scope of Works:

Visual/Mechanical Inspections

- ▶▶ General visual inspection and compliance with the drawings and manuals
- ▶▶ Check nameplate ratings and HV, LV terminal markings.
- ▶▶ Check that all parts of the transformer are properly assembled and tight.
- ▶▶ Check the HV connections are tight.
- ▶▶ Check the cable connections on the LV side and the markings
- ▶▶ Check the oil levels and inspect for leakage. (Where applicable)
- ▶▶ Check the equipment grounding (Continuity and connection)
- ▶▶ Check the fuse rating of secondary side.
- ▶▶ Perform the operation described in the following

Electrical

- ▶▶ Winding resistance test of transformer
- ▶▶ Transformer ratio test
- ▶▶ Transformer vector group test
- ▶▶ Measurement of insulation resistance
- ▶▶ Dielectric tests of transformer
- ▶▶ Tests on on-load tap-changer.
- ▶▶ Oil pressure test on transformer to check against leakages past joints and gaskets





Current and Completed Projects



PREVIOUS PROJECTS

Duration	Project	Client	Place/yard
2013 - 2015	Zawtika TPS Phase II – PTTEPI Project	1. ABS, Singapore 2. BV, Singapore	<ul style="list-style-type: none"> ● Myanmar ● Thailand
2014 - 2015	Upper Zakum UZ750 E-house (12 Modules)	DSME	<ul style="list-style-type: none"> ● Siemens Yard, Batu Ampar, Batam
2015 - 2016	Yamal LNG, Russia	Technip FMC, France	<ul style="list-style-type: none"> ● Siemens Yard, Batu Ampar, Batam ● Grillage and Sea Fastening at SMOE Yard & Kabil Port
2015 – 2017	Kaombo S3 North & South module (2 units) – Angola Block 32 Module Loadout North March 2017 & South May 2017	Saipem & Total	<ul style="list-style-type: none"> ● Siemens Yard, Batu Ampar, Batam ● McDermott Batam

PREVIOUS PROJECTS

Duration	Project	Client	Place/yard
2016 - 2017	110 kV HV Substation _FGP / TCO E-House	Tengizchevroil TCO Kazakhstan	<ul style="list-style-type: none">• WASCO yard, Batam
2018 – 2020	Karish Gas Development Offshore	Energean, Israel	<ul style="list-style-type: none">• Siemens Yard, Batu Ampar, Batam• SMOE Singapore
Ongoing	Shell Whale	ABSG	Mega Yard, Singapore
Ongoing	ONGC	ABB / SPOG	Batam, Indonesia
Ongoing	Shell LNG Canada Project	Siemens	Batam, Indonesia

And the list is growing on

(Due to confidential and NDA agreement – we are not able to disclose more about our ongoing projects)

CLIENTELE

SIEMENS
ENERGY

ABB



SIEMENS



Our Accreditation

bizSAFE is a programme which assists companies to build up their workplace safety and health (WSH) capabilities in order to achieve higher safety and health standards at the workplace.

As a bizSAFE STAR certified organization, we are committed towards workplace safety for all our stakeholders – including our staff, customers and business partners.



CERTIFICATES



Date of issue: 21/11/2023



CERTIFICATE

The Workplace Safety and Health Council is pleased to certify that

BIG THREE STRATEGIES PTE. LTD.

has fulfilled the requirements to attain bizSAFE Level Star

This certificate is valid till 16/11/2026

Christopher Koh
General Manager
Workplace Safety and Health Council

Certificate No. E23980



Certificate of Registration

This is to certify that
Occupational Health & Safety Management System of

BIG THREE STRATEGIES PTE LTD
60 PAYA LEBAR ROAD #12-55 PAYA LEBAR SQUARE
SINGAPORE-409051

has been assessed and found to be in accordance with the requirements of the Occupational Health & Safety Management System standard

ISO 45001:2018

for the following scope :

PROVISION OF CONSULTANCY AND ENGINEERING SERVICES TO VARIOUS TYPES OF INDUSTRIES

CERTIFICATE No. : **BIG23K3036SG**

ISSUED DATE : 17/11/2023	1ST SURVEILLANCE DUE : 16/10/2024
EXPIRY DATE : 16/11/2026	2ND SURVEILLANCE DUE : 16/10/2025


 Managing Director




Accredited By United Accreditation Foundation (UAF)
400 North Center DR, STE 202 Norfolk, VA 23502,
United States of America (USA)



For BMG Conformity Assessment Services Pvt. Ltd.
 G-338, 2nd Floor, Sector-10, Noida-201301, G.B. Nagar, (U.P.) India
 This Certificate is intellectual Property of BMG and can be maintained through surveillance and renewal audits.
 Certificate should be returned to BMG in case of non-compliance of certification procedure.
 Authenticity & Status of this certificate can be verified at www.bmgcertification.com or <http://iaf.accreditation.org>



CERTIFICATE

This is to Certify that Quality Management System of

BIG THREE STRATEGIES PTE LTD
60 Paya Lebar Road, #12-55 Paya Lebar Square, Singapore - 409051.

has been assessed and found to conform to the requirements of

ISO 9001:2015

for the following scope:

Provision of Consultancy and Engineering Services to Various types of Industries

CERTIFICATE NO . 2311QMS695

Initial Registration Date : 17.11.2023	1st surveillance : 17.10.2024	
Issuance Date : 17.11.2023	2nd surveillance : 17.10.2025	
Date of Expiry : 16.11.2026		


 Executive Director





Quality International Certifications Pvt. Ltd.
 Accredited by Global Accreditation Board for Certification Bodies (GABCB)
 H. No. 156, Gali No. 7, Shivpuri, Meethapur Extn., New Delhi, Pin 110044 | Email: info@qicert.com
 Validity of the certificate is subject to the successful completion of the surveillance audit on or before the due date. If the surveillance audit is not conducted the Certificate will be suspended.
 Please Re-Check the validity of the certificate at www.qicert.com



Singapore (Corporate Office):

60 Paya Lebar Road # 12 - 55 Paya Lebar Square
Singapore 409051.

Indonesia:

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Lubuk Baja, Batam, Indonesia.

Malaysia:

No 16, Jalan PJS 7/21, Bandar Sunway, 46150
Petaling Jaya, Selangor, Malaysia

Brunei:

1st Floor, No.6 Block A, Bangunam Dato Lim Seng
Kokm, Simpang 628, Bandar Seri Begawan BF 1120,
Brunei Darussalam

India:

13/15b, Jaganathapuram, 3rd main road, Velachery,
Chennai, India 600042

New Zealand:

165A The drive, Epsom, Auckland 1023, New
Zealand





Thank You

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