



PS ELECTRICAL SOLUTIONS SDN.BHD.

(1569334-W)

Powering Reliability with Professionalism



Malaysia

Singapore



**“M & E”
Mechanical
&
Electrical**



**We are Experts in ITC
Installation, Testing & Commissioning**

www.pselecsolutions.com



OUR SERVICES

Our Goal:

- To honor all premises and commitments
- To deliver good results
- To be welcomed back

Our Vision:

"One global team setting the standard excellence, growing and succeeding together, soaring above the competition"

Our Mission:

The main aim is to be the market leader as a supplier and as an electrical contractor.

- Fulfilling our customer's requirements.
- Take pride in delivering our products.
- Achieving common goals as a team.
- We value people's mutual support, respect, and trust.

ENGINEERING

DESIGN

CONSTRUCTION

TESTING

COMMISSIONING

OPERATION & MAINTENANCE

TROUBLE SHOOTING

**We work in Electrical Sub-station
Execute Turnkey Projects & Offer Customized Solution**



ABOUT US

PS ELECTRICAL SOLUTIONS is an electrical firm that was established in 2016. We are committed to offering the best electrical Installation, testing and commissioning services possible at the outset, while fulfilling our clients' specific needs and upholding most stringent industry standards.

We also place a high priority on quality and safety. The members of our team are highly qualified experts with extensive experience in the electrical sector. Together with Professional Engineers (PEs), we view our technical specialists as the foundation of our company and its most

We choose them based on their technical expertise and familiarity with the current industry trend, which aims to deliver safe, high-quality service and satisfy customers.

Operations for over 10 years across 2 countries. Offered excellent services to over 50 clients in engineering design, erection, testing, and commissioning of electrical HT/LT equipment/control relay panel/numerical relay, retrofit of relays/panels/LV breakers, substation automation systems (SAS)/IED integration.

Supplying LT/HT panels/equipment, numerical relays, cables, SAS products & network devices. Achieved all our success with a strong commitment to ethics, honesty & integrity by meeting all legal, compliance, and statutory requirements.

Determined to achieve year-over-year improvement in safety performance with our "Will to Nil" safety policy. "NIL"—zero incidents, zero injuries, and zero days off work.

Regards,
Director

Certifiers:

- Professional Engineer – 2 No's
- Chargeman – 4 No's
- Safety Coordinator – 3 No's

Expertise's:

- Sr. Engineer – 4 No's
- Sr. T&C Engineer – 6 No's
- T&C Engineer – 5 No's
- Junior Engineer – 4 No's
- Installation Engineer – 3 No's

Techie's:

- Supervisor – 8 No's
- Sr. Technician – 6 No's
- Technician – 5 No's
- Helper – 14 No's

We Will Do it in “ Safe way” , “ Right way “ , “Everyday”



OUR CORE VALUES

CUSTOMER-CENTRICITY

- Prioritizing customer satisfaction through customized and reliable solutions.

INTEGRITY

- Doing the right thing — even when no one's looking. Integrity is about staying honest, accountable, and transparent in every decision and action.

EXCELLENCE

- Setting the bar high and pushing to exceed it. Excellence is about taking pride in your work, striving to improve, and never coasting on “good enough.”

INNOVATION

- Challenging the status quo with curiosity and new ideas. Innovation means testing, learning, iterating — and never settling for “good enough.”

SUSTAINABILITY

- Promoting environmentally responsible practices in all projects

ACCOUNTABILITY

- Owning outcomes, learning from missteps, and following through. Accountability builds trust and shows that responsibility is more than a buzzword.

ADAPTABILITY

- Staying flexible when plans shift, markets change, or challenges come up. Adaptability helps teams bounce back, pivot fast, and keep moving forward.

TEAMWORK

- Combining diverse strengths to reach team or company-wide goals. Teamwork means collaborating openly, supporting one another, and celebrating wins — together.

RESPECT

- Treating everyone with dignity, regardless of role, background, or opinion. Respect shows up in how we listen, collaborate, and give credit where it's due.

“These core values are not just buzzwords; It's our strong organizational Culture”



DIRECTOR PROFILE

Director – Mr. P. Prabakaran

Mr. P. Prabakaran has over 25 years of professional experience in the Electrical, Safety and M&E industry particularly in day-to-day construction activities including Supervision, Quality of Installation, Testing & Commissioning of the Electrical Equipment's and it's facility systems for a wide range Oil & petrochemical brown field, Greenfield and high tech complex facilities ranging from Semi-conductor, Data Centre's, Railway projects and other building industries.

He coordinates trade craft delivery of materials, and the planning and integration of all materials, equipment and systems in accordance with the contract documents. He is also responsible for co-ordination of meetings and ensuring that all subcontractor's daily and weekly reporting is submitted timely.

He also develops with the team, the look-ahead schedule as well as other logistical schedules and activities that are a normal part of this position. Besides this, he constantly liaises with the Directors, PM, and other Stack holders on project matters.

Director – Mr. P. Prabakaran

Our Managing Director Mr. Ir. Ts. Zunnasri Bin Salihin is a seasoned professional with over 26 years of experience in electrical engineering systems. He possesses extensive hands-on expertise across a wide range of electrical infrastructure projects.

His core strength lies in power distribution systems for industrial, commercial, and utility applications. He has in-depth knowledge of transformer design, installation, testing, and maintenance.

Over the years, he has successfully led numerous high-value and technically complex projects. His strong technical foundation ensures compliance with international standards and safety regulations.

He is highly skilled in system planning, load analysis, and fault management. His leadership style combines practical engineering knowledge with strategic decision-making.

He consistently drives operational efficiency and cost-effective solutions.

“Learn” , “Earn” and “Won” Everyday



WHAT WE DO

Installation, Testing and Commissioning of Mechanical & Electrical Equipment's

- Switchgear, Switchyard equipment's & Panels
- GIS Substation up to 500kV level
- AIS Substation up to 500kV level
- DC Traction Substation & Railways equipment's
- Data Centre Substation & Equipment's
- Plant Equipment's like Transformer, Motor, Generator & VFD's
- Instrumentation Equipment's Like PID, RTD, Flow Sensors & Level Sensors
- SCADA Equipment's Like SCADA Panel, Server, Network & Gateway Switch



Installation, Testing & Commissioning of HT & LT Equipment's

- | | |
|---------------------------------|-------------------------|
| ▪ LV / MV Switchgear | ▪ Power Transformer |
| ▪ Isolator/Disconnecting switch | ▪ Auxiliary Transformer |
| ▪ Circuit Breaker | ▪ Power cable |
| ▪ Current Transformer | ▪ DC Traction System |
| ▪ Voltage Transformer | ▪ Battery Bank |
| ▪ Surge arrestor | ▪ Capacitor Bank |
| ▪ Motor | ▪ Generator |
| ▪ Rectifier | ▪ Rectifier Transformer |



Installation, Testing & Commissioning of Relay Control Panel

- Configuration & Testing of Relays
- Scheme checking
- Functional check of Relay Panel
- Pre-commissioning and commissioning of Relay Panels
- Modification of Relay & Control Panel

Engineering

- | | |
|---|---|
| ▪ Control & Relay Panel Designing (All voltage levels) | ▪ Relay setting calculation |
| ▪ Preparation of As-Built Drawings | ▪ LCC Panel Designing (All voltage levels) |
| ▪ Power Transformer & Cable Sizing | ▪ Cable tray layouts |
| ▪ Equipment layouts & Earthing layouts | ▪ Customized Engineering Solutions for Industries |
| ▪ EBOP cable schedule for DCS, ECP, MV & LV Switchgear and other panels | |

“Nothing will function” unless “We do”



Installation & Commissioning of RTU

- Site survey
- Engineering documents viz. SLD, Control room Layout, BOM, I/O List, modified scheme drawing & Cable schedule
- Panel Erection, Cable laying, Gland fixing & Termination, Wiring of MFTS, CMRs, Interposing relays and HDRs
- Database preparation for RTU and Data concentrator
- Configuration & Integration of IED/MFT with RTU
- Testing & commissioning of RTU As-built scheme drawings
- Device Testing & commissioning



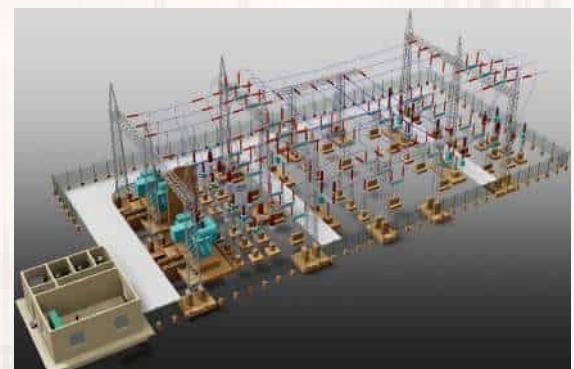
SCADA Automation Systems

- Design of System Architecture Hardware & Software recommendations
- Supply of hardware & software requirements
- Database creation
- Ethernet switch configuration
- Commissioning of BCU, BCPU and PMU
- IED, Energy Meter & GPS integration
- HMI & Gateway configuration
- Web hosting and FTP configuration
- Controller communication through OPC protocol construction
- SAT-Point to Point Testing



Plant & Substation Design

- Primary & Secondary engineering documents of T&D sub-stations up to 500kV, LT sub-stations & Power plants (EBOP).
- Digitalization of Control and Protection schematics of Conventional CRP from the old drawing or by physical inspectional survey of the panel.
- Design Software exposure on E-TAP-Power Station (Electrical)
- Load flow, short circuit and power system analysis.
- Harmonic analysis and report submission using Power Analyzer



“Learn to take Rest” Not to “quit”



• Routine Operations & Maintenance

- Daily Operations:
 - Monitoring and logging operational data (load, power flow, oil levels, temperatures).
 - Visual inspection and preventive actions for all equipment.
- Scheduled Maintenance:
 - Routine equipment health checks as per OEM and industry standards.
 - Pre-monsoon and post-monsoon maintenance activities.
 - Earthing system measurements and maintenance



• Equipment Testing & Condition Monitoring

- Relay testing, scheme checks, and fault analysis.
- Transformer health monitoring (DGA, BDV, dew point analysis). GIS testing (SF6 gas purity, dew point measurements, contact resistance).
- Infrared thermography and thermo-vision scanning.

• Breakdown Maintenance

- Emergency response and troubleshooting for all equipment.
- Collaboration with OEMs to minimize downtime.
- Replacement of consumables and damaged components.



"The strength of the team is each individual member"
"The strength of each member is the team"



Plant Retrofit Solutions

- **Upgradation of Scheme for the proposed device Dismantling of Existing device / Panel Mounting of proposed device with necessary accessories**
- **Expansion of LT & HT Panels** – Adding new feeders and breakers.
- **Busbar Modifications & Upgrades** – Improving current-carrying capacity.
- **Cable Line Expansion** – Increasing load capacity to accommodate facility growth.
- **Upgrading Switchgear & Circuit Breakers** – Replacing old equipment with advanced solutions.
- **Power Factor Correction** – Installing capacitors and harmonic filters to optimize power usage.
- **Reconfiguring Distribution Networks** – Ensuring efficient power distribution.
- **Replacing Aging Components** – Enhancing performance with modern equipment.



Railways Installation, Testing & Commissioning

- **Medium voltage switchgear**
- **Diode rectifiers and controlled rectifiers**
- **DC high-speed circuit breakers**
- **DC switchgear**
- **Protective devices**
- **Energy recuperation and energy storage systems**
- **Light Rail Transit(LRT)**
- **Mass Rapid Transit(MRT)**
- **Monorail Transit**



Data Centre Installation, Testing & Commissioning

- **Transformer & RMU Panel**
- **Switchgear AIS & GIS Panel**
- **UPS & Battery System**
- **LV Panel**
- **Data Hall Power Socket**
- **Generator & PDU**
- **APFC & Chiller Panel**
- **DG Splitter Panel**
- **Control & Power Cable**



“Knowledge will bring you the opportunity to make a Difference”



Instrumentation Installation, Testing & Commissioning

Installation, Calibration & Trouble Shooting of

- Actuators
- Pressure Transmitters
- RTD & Temperature recorder
- Temperature Transmitter
- Pressure Gauge
- Flow Transmitter & Switch
- Level Transmitter & Sensors
- Solenoid Valve



Manufacturing & Service Sectors Installation, Testing & Commissioning

- Power Plant
- Oil & Gas Refinery Plant
- Petrochemical Plant
- Steel Plant
- Cement Plant
- Mining Plant
- Off-shore Plant
- Other Production Industries



Buildings

- Industrial Building
- Commercial Building



“Quality is doing it right when no one looking”



INSTALLATION, TESTING & COMMISSIONING (ITC)

Substation Equipment's

- AIS Switchyard & Switchgear up to 500kV
- GIS Switchgear up to 500kV
- Power Transformer up to 500kV
- Distribution Transformer
- Current Transformer (CT)
- Voltage / Potential Transformer (VT/PT)
- Capacitive Voltage Transformer (CVT)
- Isolator/Disconnecter Switch (DS)
- Earth Switch (ES)
- Surge Arrester (SA) / Lightning Arrester (LA)
- Air Circuit Breaker (ACB)
- Vacuum Circuit Breaker (VCB)
- SF6 Circuit Breaker (SF6 CB)
- Motor (AC/DC)
- AC Generator
- Line Reactor
- Bus Duct / Bus Bar
- LV/MV/HV Power Cable (AC/DC)
- Grounding / Earthing System

- Energy Meter / Power Meter
- Ammeter / Voltmeter
- Voltage / Current / Power Transducer
- Capacitor Bank / Power Factor Panel

DC Traction Substation:

- Rectifier
- Rectifier Transformer
- DC Switchgear
- Disconnector Switch / Bypass Switch
- Earth Switch
- AARU Panel
- Stray Current Panel
- OVPD / Voltage Limiting Device
- Stinger Panel / Stringer Device
- BLS / BLRP / ECO Device
- AC Distribution Board (ACDB)
- DC Distribution Board (DCDB)
- Battery Charger / Battery Bank

Relays':

- Over Current / Earth Fault Relay
- Motor Protection Relay
- Line Differential Relay
- Transformer Differential Relay
- Busbar Differential Relay
- Distance Protection Relay
- Generator Protection Relay
- DC Protection Relay



All Manufacturers like ABB, Siemens, GE, Alstom, Schneider, SEL, Hitachi, Meiden, Secheron, Sitras MDC, etc.

Excellence is not being the Best; It is doing your Best



WHAT WE USE

Our Equipment's



**Omicron CPC 100
Primary Injection**



**Omicron CT
Analyzer**



**Omicron CMC 356 3Ø
Secondary Injection**



**Omicron CP CB2
Current Booster**



**Omicron CP SB1
TX Switch Box**



**Megger TRAX 280
Primary Injection**



**Megger TDX 120
Tan Delta**



**Sverker 900 3Ø
Secondary Injection**



**Sverker 750 1Ø
Secondary Injection**



**Megger FRAX 101
SFRA Analyzer**



**Doble F6150 3Ø
Secondary Injection**



**Doble M4100 Tan
Delta**



**Megger MIT1025
Insulation Tester**



**Megger DLRO 200A
CRM**



GDHL - 100A CRM



**KEP HVT 70-50
AC/DC HV Set**



**Kyoritsu KEW3125A
Insulation Tester**



**HSPY DC Voltage
Injector**



B2 HVA 60 VLF



**DILO SF6 Multi
Analyzer**



**Fluke Ti27
Thermal
Imager**



Phenix HV Set



**Fluke mV/mA
Calibrator**



**Fluke AC/DC
Multimeter**



**Fluke AC/DC
Clamp Meter**



**HVPD PDS
Partial Discharge**



**SF6 Gas Fill
with Vacuum**

These are "Treasure" beyond any "Price"



Certification

COMPANIES ACT 2016 (ACT 777)

CERTIFICATE OF INCORPORATION OF PRIVATE COMPANY

This is to certify that

PS ELECTRICAL SOLUTIONS SDN. BHD.
202401023485 (1569334-W)

is, on and from the 12th day of June 2024, incorporated under the Companies Act 2016, and that the company is a company limited by shares and that the company is a private company.

Dated at KUALA LUMPUR this 12th day of June 2024.

DATUK NOR AZIMAH ABDUL AZIZ
REGISTRAR

MY240612972779
Scan to verify

CIDB MALAYSIA

PERAKUAN PENDAFTARAN

Adalah dengan ini diperakui bahawa kontraktor yang dinyatakan di bawah ini telah berdaftar dengan Lembaga mengikut Bahagian VI Akta Lembaga Pembiayaan Industri Pembiayaan Malaysia 1994. Pendaftaran ini adalah tertakluk kepada syarat-syarat yang telah ditetapkan bersama perakuan ini.

No. Pendaftaran : 0102050502-JH154264
Nama Kontraktor : PS ELECTRICAL SOLUTIONS SDN. BHD.
Alamat Berdaftar : SUITE 1705A, LEVEL 17 MENARA LANDMARK 12 JALAN Ngee HENG 81300 JOHOR BAHRU JOHOR
Daerah : JOHOR BAHRU
Tarikh Mula Berdaftar : 02/05/2025

GRUP	KATEGORI	PENGKHUSUSAN
G5	B	B04
G5	CE	CE21
G5	ME	ED1 ED2 ED3 ED6 E10 E11 E16 E17 M15
G2	ME	ED4

Tarikh Mula Berkuasanya : 02/05/2025
Tarikh Habis Tempoh Perakuan : 01/05/2027
STATUS: BARU

Kritus Elektrik
Lembaga Pembiayaan Industri Pembiayaan Malaysia
Tarikh: 02/05/2025

ST(TKL)WPKL/CKE/02097/2025 NO: 2025/00895

BORANG Q
(peraturan 75)

AKTA BEKALAN ELEKTRIK 1990

PERAKUAN PENDAFTARAN SEBAGAI KONTRAKTOR ELEKTRIK

Mengikut peraturan 75 Peraturan-Peraturan Elektrik 1994, Perakuan ini dikeluarkan kepada

PS ELECTRICAL SOLUTIONS SDN. BHD.
(nama syarikat)

dan memberi kuasa kepada pemegang untuk menjalankan perniagaan kerja elektrik sebagai Kontraktor Elektrik di :

B-22-19
KOMPLEKS RIMBUN SCOTT GARDEN, 289
JALAN KELANG LAMA
58100 KUALA LUMPUR
WILAYAH PERSEKUTUAN KUALA LUMPUR
(alamat perniagaan dan cawangan)

di bawah kelas :

XXX

selama tempoh 5 tahun** dari tarikh dikeluarkan yang ditunjukkan di :

Tarikh dikeluarkan : 17/03/2025
Tarikh Habis Tempoh : 16/03/2030
No. Pendaftaran : ST(TKL)WPKL/CKE/02097/2025
Fi RM : 1,700.00

ZULAZN BIN HANAFI
Pegawai Pendaftaran
Bekalangan Tenaga
Kementerian Tenaga & Air, S. P. Putrajaya
Suruhanjaya Tenaga

** Tidak kurang daripada satu tahun dan tidak lebih daripada lima tahun.

Power Academy Certificate

Maintenance of 8DA and 8DB10 Product Portfolio

Mr. Perumal Prabhakaran
PS ELECTRICAL SOLUTIONS PTE. LTD. / SINGAPORE

Hereby we confirm the successful participation of **Mr. Perumal Prabhakaran** in the Maintenance Training on the a.m. medium-voltage switchgear at the Siemens Training Center Frankfurt, Germany.

Mr. Perumal Prabhakaran is authorized to execute maintenance work, including the mechanical tests on site, on the a.m. medium-voltage switchgear.

Mr. Perumal Prabhakaran is obliged to send written reports about all maintenance work executed on the a.m. switchgear to the Siemens Training Center Frankfurt, Germany, as well as to inform himself under his own responsibility about the latest state of technology of the switchgear.

Power Academy
Frankfurt, November 04th, 2022

SIEMENS

Power Academy Certificate

Assembly and Installation of NXAIR

Mr. Perumal Prakash
PS ELECTRICAL SOLUTIONS PTE. LTD. / SINGAPORE

Hereby we confirm the successful participation of **Mr. Perumal Prakash** in the assembly and installation training on the a.m. medium-voltage switchgear at the Siemens Training Center Frankfurt, Germany.

Mr. Perumal Prakash is authorized to install and assemble the a.m. medium-voltage switchgear self-dependently, including mechanical tests on site.

Mr. Perumal Prakash is obliged to send written assembly and installation reports about all assembly and installation work executed on the a.m. switchgear to the Siemens Training Center Frankfurt, Germany, as well as to inform himself under his own responsibility about the latest state of technology of the switchgear.

Power Academy
Frankfurt, October 18th, 2022

SIEMENS

Power Academy Certificate

Assembly and Installation of 8DA and 8DB10 Product Portfolio

Mr. Balasubramanian Rajapandian
PS ELECTRICAL SOLUTIONS PTE. LTD. / SINGAPORE

Hereby we confirm the successful participation of **Mr. Balasubramanian Rajapandian** in the Assembly and Installation Training on the a.m. medium-voltage switchgear at the Siemens Training Center Frankfurt, Germany, as well as the practical instruction, assembly and installation on site under supervision of a senior supervisor.

Mr. Balasubramanian Rajapandian is authorized to install and assemble the a.m. medium-voltage switchgear self-dependently, including mechanical tests on site.

Mr. Balasubramanian Rajapandian is obliged to send written assembly and installation reports about all assembly and installation work executed on the a.m. switchgear to the Siemens Training Center Frankfurt, Germany, as well as to inform himself under his own responsibility about the latest state of technology of the switchgear.

This certificate is valid for 3 years from the date of issue and can be extended by the Training Center Frankfurt, Germany.

Power Academy
Frankfurt, October 09th, 2025

SIEMENS

“The more that you Learn; The more Places you will go”

Certification



“Work Ethic” is most important component of being “Successful”



Malaysia & Overseas Projects

- YONDR Data Centre Project - Siemens Malaysia
- Sedenak Tech Park Data Centre Project – Sunway Engie DC, Malaysia
- MRT2 Troubleshooting Project – MMC GAMUDA/MRT Corporation, Malaysia
- MRT2 Troubleshooting Project – CRSE/ MRT Corporation, Malaysia
- KLIA APM Project - IJMC-PESTECH / ALSTOM / KLIA, Malaysia
- Johor Bahru–Singapore RTS Link Project - PESTECH / RTS OPERATION
- Keppel DC Singapore 8 (KDC SGP 8) Phases 1&2 Project – Siemens, Singapore
- Keppel DC Singapore 8 (KDC SGP 8) Phases 3 Project – Siemens, Singapore
- Air Trunk Data Centre, Pasir Ris – Siemens, Singapore
- Microsoft Data Centre, Woodlands – ABB, Singapore
- Bulim Square Project – Siemens, Singapore
- New Gasification Plant, Linde Gas Singapore – Siemens, Singapore
- JRL Singapore MRT Project (24 Stations) – Concord Corporation, Singapore.
- Tuas Water Reclamation Plant (TWRP) project – Siemens, Singapore
- Changi Water Reclamation Plant (CWRP) project – Siemens, Singapore
- IOI Central Boulevard Tower Project - Siemens, Singapore
- VSMC Project – ABB, Singapore
- KDK Singtel Project – Power Partner, Singapore
- ICA Project – Bulox Power, Singapore
- Bulim Square Project – Bulox Power, Singapore
- KLA Project - Bulox Power, Singapore
- One Holland Village Project - Bulox Power, Singapore
- 7000 AMK Project - Bulox Power, Singapore
- PSA Project - Bulox Power, Singapore
- Siltronic AG Project – Cyclelect Engineering, Singapore
- Keppel Shipyard Project - Cyclelect Engineering, Singapore
- C22B CWRP Expansion Project – TECHNI HUB IEA, Singapore
- Micron Semiconductor Project - Micron, Singapore

PS Group of Companies

PS ELECTRICAL SOLUTIONS SDN.BHD.

Malaysia

PS ELECTRICAL SOLUTIONS PTE.LTD.

Singapore

“Quality is Our Business” Not “Quantity”



Our Clients'



Our Offices

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- E-mail : praba@pselecsolutions.com



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- E-mail : selvaraj.prabakaran@pselecsolutions.com



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- Tel : +65 9729 3652
- E-mail : pses.sdnbhd@gmail.com



We will Serve



We are Reachable



Reach us at “+60 13-643 2876” or “praba@pselecsolutions.com”