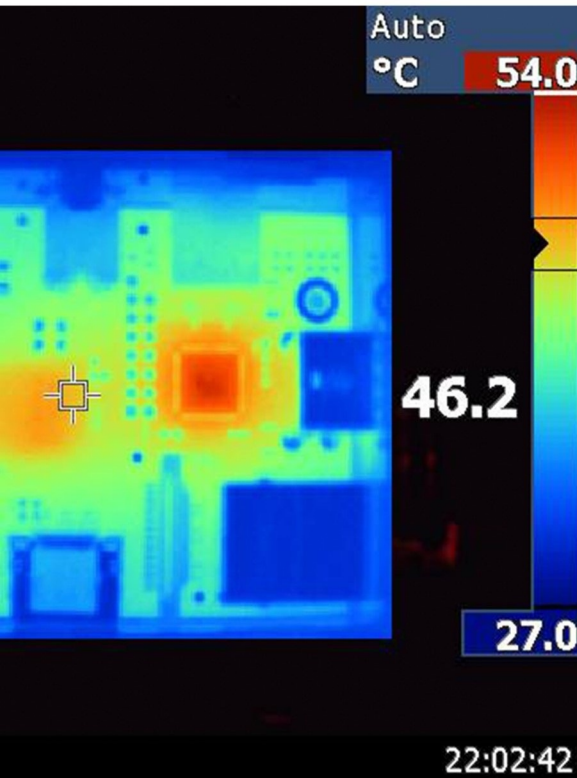


# POWERTECH ENGINEERING

EIU AND JKR REGISTERED SWITCHBOARD MANUFACTURER



# TABLE OF CONTENTS

<b>01</b>	<b>Introduction</b>
<b>02</b>	<b>Company Details</b>
<b>03</b>	<b>Core Business</b> <ul style="list-style-type: none"><li>• 3.1 Switchboard Manufacturing</li><li>• 3.2 Switchboard Maintenance</li></ul>
<b>04</b>	<b>Completed Projects</b>
<b>05</b>	<b>Ongoing Projects</b>
<b>06</b>	<b>List of License and Registrations</b>



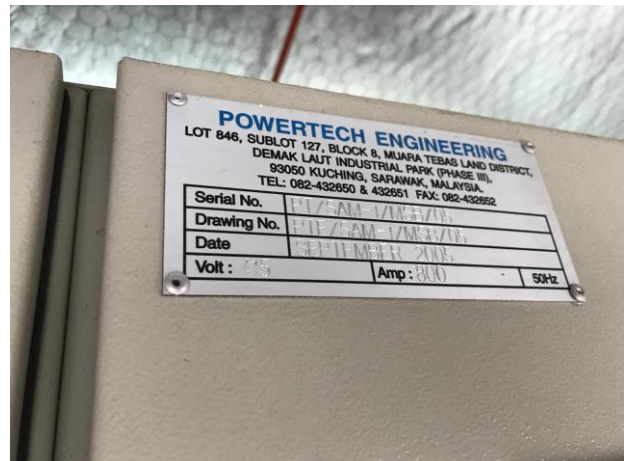
# 01 INTRODUCTION

**P**owertech Engineering was founded in February 1988 as a Switchboard Manufacturer in Sarawak. Powertech Engineering is registered with EIU as a Low Voltage Switchboard Manufacturer (Registration No. SB004) and registered with JKR EMAL (Low Voltage Switchboard Category I)



Leveraging on 35 years of experience in switchboard manufacturing, Powertech Engineering is in a position to offer a wide variety of quality switchboard products. We are capable of designing, supplying and commissioning Main Switchboards (MSB), Sub Switchboards (SSB), Motor Control Centers (MCC), Generator Control Panels (GCP), automation and PLC panels, feeder pillars, distribution boards and various other products.

We strive to maintain the highest standards in designing and manufacturing our switchboards to meet the requirements of our clients. Backed up with speedy after sales service and technical support, we hope to continue serving the various industries in Sarawak for the years to come.





## 02 COMPANY DETAILS

---

Name of Company

**Powertech Engineering**

Scope of Expertise:

**Switchboard Manufacturing**

Company Registration No.

**23602**

**Control System Design**

GST Registration No.

**nil**

Contact details:

**Phone: 082-432650/082-432651**

Date of Establishment

**February 1988**

**Fax: 082-432652**

**Email: enquiry@tytronics.com.my**

Registered Address

**Lot 846, Sublot 127, Block 8,  
Muara Tebas Land District,  
Demak Laut Industrial Park (Phase 3),  
93050 Kuching, Sarawak.**

No. of Staff

**22**

No. of Contract/Technical Staff

**4**

## 03 CORE BUSINESS

### 3.1 Switchboard Manufacturing



Switchboard manufacturing has been the foundation of our business since inception. We currently have a staff of 22 including our own metal fabrication division.

From sheet metal to a finished switchboard, every process is done in-house, reducing lead times and quality control issues. We have the capability and expertise to manufacture the following types of switchboards:

1. Main Switch Boards (SESCO incoming)
2. Sub Switchboards
3. Distribution boards
4. Metering panels (SESCO Standard)
5. Motor control centers (MCCs)
6. VSD starter panels
7. Pump Control Panel
8. Chiller Main Board
9. AHU Control Panel
10. FCU Control Panel
11. 48VDC Rectifier Panel
12. Generator Synchronizing Control Panel
13. Close-Transition Automatic Transfer Panel
14. AC and DC Load Banks
15. Weatherproof Switchboard and Pillars
16. SESCO Meter Box
17. Stainless steel panels







We have invested in automation equipment such as CNC punching machines to increase productivity and also to ensure consistency and quality in our products.

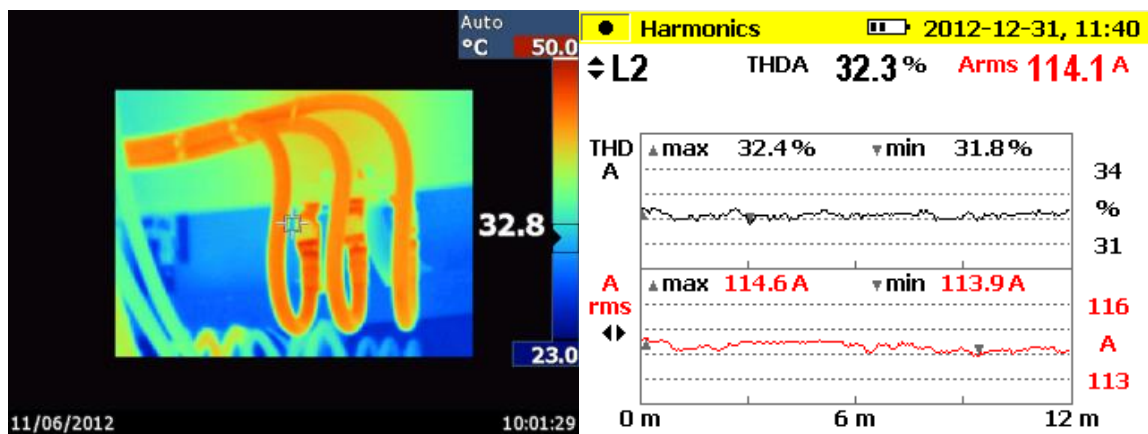


## 3.2 Switchboard Maintenance



While switchboards generally require little maintenance, preventive maintenance carried out once every few years can prevent costly downtimes. Preventive maintenance can pin-point failing components. With this information, shutdown for replacement can be scheduled during off-peak periods so disruption to production or service can be reduced.

Powertech Engineering offers one-off on-site maintenance as well as scheduled maintenance packages to ensure the reliability of your switchboards. We also provide stand-by and on-call services to quickly deal with any technical faults and disruptions.



Our maintenance division is equipped with Fluke thermal-imaging camera and Fluke Power Logger capable of harmonics measurement to guarantee thorough inspection and effectiveness of maintenance.



## 04 Completed Projects (Switchboards)

Date	Project	Contractor/Consultant
2019	Proposed Business Hotel, Bintulu Old Airport, Bintulu	ID Builder
2019	The Supply, Delivery, Installation, Testing & Commissioning of SARES Phase 4 Solar Power Projects in Nanga Merit A, Sarawak.	Pavilion Paragon/Sarawak Energy
2019	The Supply, Delivery, Installation, Testing & Commissioning of SARES Phase 4A Solar Power Projects in Kapit, Sarawak.	Ecogreen/Sarawak Energy
2019	The Supply, Delivery, Installation, Testing & Commissioning of SARES Phase 4A Solar Power Projects in Song, Sarawak.	Ecogreen/Sarawak Energy
2019	7-Storey Commercial And Service Apartment at Jalan Wawasan, Sibu, Sarawak	CA Enterprise
2019	Cadangan Menaiktaraf Hospital Umum Kuching, Sarawak	Mapha Engineering Sdn Bhd
2019	Proposed 6-7 Storey Apartment on Lot 17663, Blk 11, MTLD, 5th Mile Stampin, Jalan Stutong Baru, Kuching	Lim Hong Thong Sdn Bhd
2019	Song 132/33/11kV Substation Project	Bormal Engineering Sdn Bhd
2019	Factory at Lot 1173, Demak Laut Industrial Park, (Phase III), Jalan Bako, Kuching	Lim Aik Chai Electrical Sdn Bhd
2018	Proposed 12-Storey Strata titled service Apartment Cum commercial Building, Jalan Stutong Baru, Kuching	V-One Enterprise
2018	Hospital Petrajaya Kuching, Sarawak	Unique Deco Sdn Bhd
2018	Oya 33/11kv Subsation, 33/11kv substation Miri, Sarawak 33/11kv Substation Temudok,	Bormal Engineering Sdn Bhd
2018	Rubber Dam, Bintagor Sarikei Division	Pembinaan CTT Sdn Bhd



2018	Rubber Dam,Bayong Sarikei Division	Pembinaan Multitude Sdn Bhd
2018	Proposed 2 and 3 Storey Mix Use Commercial Complex at Jalan Stutong Baru, Kuching	Tay's Contactor & Service
2018	Proposed renovation and Extension to Existing 3-Storey X-Fab Administration Building at Sama Jaya Free Industrial Zone, Kuching	Mapha Engineering Sdn Bhd
2018	Secondary School at Tudan, Miri, Sarawak.	Syarikat Tenaga Asas
2018	Proposed Commercial Development Miri,Sarawak Acradia Square	SEE Energy Sdn Bhd
2018	Proposed 4 Storey Apartment at Jalan Matang ,Kuching	Lim Aik Chai Electrical Sdn Bhd
2018	Sares Phase 3-Julau Cluster,Kapit Sg Gaat Cluster,Kapit ajau Cluster,Kapit Mujong Cluster,Song Tekalit Cluster	Ecogreen Solar Engineering Sdn Bhd
2018	Gala City 33/11KV Substation,Kuching	Bormal Engineering Sdn Bhd
2018	Huihuan Factory at Demak Laut Kuching	Huihuan Co.(1997) Sdn Bhd
2017	Loagan Salam 33/11kv Subsation	Bormal Engineering Sdn Bhd
2017	Cadangan Membina & Menyiapkan Sekolah Baru 36 Bilik darjah dan Lain-Lain Kemudahan Berkaitan di sekolah Menengah Kebangsaan Tudan, di Lot 3643,Blok 6, Kuara Baram Land district,Permy Jaya Utara Miri, Miri Sarawak	Syarikat Tenaga Asas/Perunding Optima Sdn Bhd
2017	Marudi Junction 33kv Substation Supply,Erection and Commissioning of Nyelong 33/11kv Subsation	Bormal Engineering Sdn Bhd
2017	Cebu Sentosa	S.D Fibre Trading Sdn Bhd
2017	Lambir 275/33kv Subsation Esatblishment	Farad Electrical Works/PKM Project Konsultant Sdn Bhd

2017	Pendawaian Semula Sekolah Kebangsaan Batang Ai Lubok Antu,Sri Aman,Sarawak	Nanyang Electrical Works/Jabatan Kerja Raya Sarawak Bahagian Sri Aman
2017	Roller shutter Factory	Wintra Sdn Bhd/Perunding UZL Sdn Bhd
2017	Cadangan Menaiktaraf Hospital Umum Sarawak secara Public Private Partnership- Blmt Melalui Prolehan Secara 'Swiss Challenge'	Pembinaan Mitrajaya/KTA (Sarawak) Sdn Bhd
2017	Taman Malihah 33/11kv Substation SG. MAAW (275/132/33 kVSubstation Project	Bormal Engineering Sdn Bhd
2016	Proposed 5-Storey Shopping Centre on Lot 2636 & 2105 and Part of Lot 3041, Block 10, KCLD, Jalan Tun Ahmad Zaidi Adruce, Kuching (AEON Mall)	Lim Hong Thong Sdn. Bhd. / PKM Projek Konsultant Sdn. Bhd.
2016	Supply, Erection and Commissioning of Ssmalaju No. 2 33Kv Substation. (PLS-150223-E)	Bormal Engineering Sdn. Bhd.
2016	HT/LT Electricity Supply to Sebangsan Water Treatment Plant.	Kok Voo Electrical Works / Perunding Dynatech
2016	Upgrading of Electricity Supply to Existing Premises at Lot 1239, Block 8, M.T.L.D. at Jalan Demak Indah 4, Demak Laut Industrial Park Phase IIA, off Jalan Bako, Kuching.	Tong Lian (M&E) Sdn. Bhd. / Power Light Engineering Consultants
2016	Cadangan Pembinaan Hospital Petrajaya (300 Katil), di atas Lot 1349, Block 19, Salak Land District Petrajaya, Kuching, Sarawak.	SEE Energy Sdn. Bhd. / Perunding KAZ Sdn. Bhd.
2016	Proposed 3 to 6-Storey Strata Titled Shoplots on Plot 67 of Lots 424 (New Lots 3189 & 3190), 456, 592, 3190, 3256 & 3257 Block 16, K.C.L.D at Jalan Tun Jugah, Kuching.	Kejuruteraan CK Sdn. Bhd. / Perunding CH Engineering Sdn. Bhd.

\*Please contact us if you need the full list of completed projects.

## 05 Ongoing Projects

Date	Project	Contractor/Consultant
2019	Proposed Bitumen Depot at Senari Synergy Industrial at Jalan Bako, Kuching	Borneo Asphalt Sdn Bhd
2019	PPKS Mukah	Mapha Engineering Sdn Bhd
2019	Cadangan Pembinaan Bangunan Kekal Giatmara Saratok,Sarawak	Layang Enterprise
2019	7 Storey Commercial And Service Apartment at Jalan Wawasan,Sibu, Sarawak	CA Enterprise
2019	Proposed rebuilding of SMK ST. Terasa Multi-Purpose Hall and Administration & Classroom Block on lot. 38, Section 32, Jalan at Tun Abang Haji Openg, Kuching Sarawak	Precious Credence Sdn Bhd
2019	Ijin Phase II	Syarikat Kejuruteraan Emas /Konsortium Hneh Sdn Bhd
2019	Lok Thian Restaurant at City One	TKS Engineering & Electrical Works/Perunding Elecmecc Sdn Bhd
2019	MD Motor	TKS Engineering & Electrical Works/Perunding Elecmecc Sdn Bhd
2019	BALB Mentong Merau/Mongkos, Bahagian Serian, Sarawak	Lim Hong Thong/Jurutera M & e Konsult (Sarwak) Sdn Bhd
2019	Design Construction, Completion, Testing and commissioning of proposed package CR2 (Central Region) for Sarawak, water supply GRID Programme Stressed Areas	Konsortium Maxmas -Titanium Project Management
2019	Proposed Chicken Farm at Lot 690,766,767 & 291,Block 14, Sentah-Begu Land District,Batu 24, Off Jalan Kuching Serian	Lim Aik Chai/Perunding E-Mechs
2019	Proposed Single Storey Cable Landing Station on lot 508 (Plot 1) Block 3, Salak Land District.	Unique Deco Sdn Bhd



2019	Bau Palm Oil Mill Biogas Control Panel and Scada System	Tahap Mutu Sdn Bhd
2019	Water Reticulation Plan at Manyan Land District, Sibu Sarawak	Central Light Electrical Sdn Bhd
2019	QL Singai Chicken Farm Alarm System	Fu Dee Hong Electrical Co.
2020	HV/LV services for Miri City Hall	R.E Morris/KTA Sarawak) Sdn Bhd
2020	Supply, delivery & Install Main Switchboard and t-other Associated works to Upgrade power supply to Lembaga Hasil Lada Malaysia.	Tays' Contractor & Service/Ibu Pejabat JKR Negeri Sarawak
2020	Sg Merah 132/33kv substation & Sg Maaw 132kv Extension	PESB Engineering Sdn Bhd
2020	Proposed construction & completion of 12 Storey serviced apartment with commercial & common facilities on Plot 1 of survey Lot 3746(Block 8 in part of parent Lot 2975)Block 12, Muara Tebas Land District	Lim Hong Thong/Perunding CH Engineering Sdn Bhd
2020	8- Storey Condominium & Service Apartment Development, Jalan Wan Alwi, Tabuan Jaya	Bodco Sdn Bhd/Perunding UZL Sdn Bhd
2020	56 Hotels	Lim Hong Thong Sdn Bhd
2020	Proposed 1 unit 15-Storey Hotel cum Basement on Lot 2368(P/L 56,1746 & Unregistered State Land Lo 2345,Block 9,MCLD at Jalan Merbau, Miri	Lim Hong Thong Sdn Bhd
2020	Alpha Diesel New Workshop	Alpha Diesel

2020	300A MSB Wisma TEK	VSE Electrical Sdn. Bhd. / Teknologi Enviro-Kimia (M) S/B
2020	7 Storey Strata Title Service Apartments Jalan Stampin Baru Kuching	Pub Energy
2020	Pembinaan Market Baru Spaoh	Bentec Electric Company
2020	Taman Awam Family Park Petra Jaya	Precious Credence
2020	7-Storey Jalan Maxwell	Schematic Vision
2020	Masjid Al-Muttaqin Kota Samarahan VRF Panels	Precious Credence
2020	Swinburne University Extension Project ACMV	Pansar
2020	Solar Hibrid utk 134 buah Sekolah Luar Bandar Negeri Sarawak	Landbase (KOK) Sdn. Bhd. / Cawangan Kejuruteraan Elektrik Ibu Pejabat JKR Kuala Lumpur (Client)
2020	Poh Yong Plant	Unique Deco Sdn. Bhd.
2020	ILP Serian ACMV	Precious Credence

2020	Centexs Lundu Campus, Lundu	Schematic Vision Sdn. Bhd.
2020	Masjid Sri Wangi	Sara Hydro
2020	SK Nanga Machan (Sekolah Daif)	Vse Elect. Sdn. Bhd. / Cawangan Elektrik Ibu Pejabat JKR
2020	St Thomas Church (5 Storey Building for House of the Epiphany Diocese of Kuching..., Jln. Mcdougall, Kch)	Schematic Vision (The bishop of kuching)
2020	Sport Village	Precious Credence
2020	Hydrotherapy Jet Pool at OSEIC Matang	Aqua Systems
2020	Swimming pool & Hydrotherapy Jet Pool at Imperial Kuching	Best Pool Services Co. (Aqua Systems - Jeffery)
2020	Batang Lupar 1 Bridge, Samarahan- Betong Division (MSB No. 1 & MSB No. 2)	Lim Hong Thong (Perbena Emas Sdn. Bhd.)
2020	VTMS (Vessel Tracking Management System)	Bumihua Sdn. Bhd.
2020	Sentoria Water Reticulation - MDB- Pump & Booster Pump CP - CP/BP	Sykt. Tenaga Asas



2020	Transformer Filtration Junction Box	Unique Deco Sdn. Bhd.
2020	Package NR2 - Tambirat BPS, Asajaya BPS & Buloh BPS	Precious Credence
2020	Wisma Bapa 12 Floor Renovation	Unified Standard / Jabatan Kerja Raya (Client)
2020	Binabaru Pejabat RMS Batu 4.5 Kuching (RMS)	U Light Energy Sdn Bhd
2020	KFF Factory, Bintulu (400A MSB)	Lim Aik Chai
2020	Swinburne Sarawak Sdn. Bhd.	Syarikat Tenaga Asas
2020	Crew Boat Jetty, Miri	Precious Credence
2020	Swimming Pool Control Panel	Harvia Leisure Systems
2020	Weatherproof MDB & SSB	K Electrical
2020	Pulapol Kuching	Izzany Resources (Catalaq Sdn. Bhd)

2020	SK Merpati Jepang	Syarikat Tenaga Asas
2020	Shell MDS	Vse Elect. Sdn. Bhd. / Shell MDS (M) Sdn. Bhd. (Client)
2020	Proposed 7-Storey Strata-Titled Service Apartment on Lot 56, Section 55, Lorong Tabuan Timor 3, Jalan Tabuan, Kuching Town Land District.	Unique Deco Sdn. Bhd. / Lee Chuan Hong Compony
2020	Proposed Renovation Works to Existing Single Storey Wet Market for Supermarket on Lots 1094, 2298, 2299, 2302 (Sublot 81), Block 26 & K.O.T. 16716 (Lot 1641), Muara Tuang Land District, at Jalan Datuk Muhammad Musa, Samarahan.	Central Light
2020	Proposed Renovation Works to Existing Single Storey Wet Market for Supermarket on Lots 1094, 2298, 2299, 2302 (Sublot 81), Block 26 & K.O.T. 16716 (Lot 1641), Muara Tuang Land District, at Jalan Datuk Muhammad Musa, Samarahan.	Control Solutions
2020	Pusat Pengumpulan Hasil TKPM Penipah, Bahagian Mukah	Poineer Elect. Works / JKR Sarawak (Client)
2020	Sk. Bulan Jeragam, Simunjan	Xstra Eng S/B / Cawangan Elektrik Ibu Pejabat JKR (Client)
2020	Proposed Pan Borneo Highway in the State of Sarawak	Precious Credence / Jabatan Kerja Raya Sarawak (Client)

\*Please contact us if you need the full list of ongoing projects.

---

**06**

# **List of License and Registrations**



## 06 Company Registration

(R. 22—Pind. 1/86)

RM2.00—Paid Vide  
N.Resit-041289  
D.D.19.9.1994

No. ....23602.....



### ORDINAN NAMA-NAMA PERNIAGAAN (CAP. 64)

#### SIJIL PENDAFTARAN

Ini adalah untuk mengesahkan bahawa firma yang ternyata di bawah:—

Nama: .....POWERTECH ENGINEERING.....

Alamat: .....1st Floor, Lot 335, Teluk Laru Commercial Centre,  
93350 Kuching.....

Perniagaan: Import & penjual barang-barang elektrik & mekanikal.

telah didaftarkan di .....Kuching..... pada .....12hb.....

bulan .....Februari..... 19 .....88..... di bawah Ordinan di atas dan

bahawa keperluan bagi Ordinan tersebut telah dipenuhi.

Bayaran M\$50.00

Nombor Resit: 092782.....  
d.d.12.2.1988

POWERTECH ENGINEERING (23602)

Lot 860, Sublot 177,  
Block E, Wudra Teluk Land District,  
General Land Industrial Park (Phase II)

Pendafatar,

Tel. 082-432650, 432660  
Fax: 082-432652

ELECTRICITY ORDINANCE  
ELECTRICITY RULES, 1999  
FORM R  
(Rule 87)

CERTIFICATE OF REGISTRATION  
AS A SWITCHBOARD MANUFACTURER

In accordance with rule 87 of the Electricity Rules, 1999, this Certificate is  
issued to CHEN ONN FAH ( I.C. No.: 570520-01-7258 )  
(holder)

PROPRIETOR of POWERTECH ENGINEERING  
(name of company or firm)

and authorizes the holder to carry on the business of manufacturing switchboards to an approximate  
operational voltage of:

0.600 \* kilovolts

as a switchboard manufacturer at LOT 846, SUBLOT 127, BLOCK 8, MUARA TEBAS LAND  
DISTRICT, DEMAK LAUT INDUSTRIAL PARK, (PHASE  
III), 93050 KUCHING SARAWAK MALAYSIA  
(address of company, firm and branches)

for a period of twelve months from the date renewal shown below:-

Date of renewal : 12 SEP 2024

Restriction (if any) : MAXIMUM BUSBAR RATING : NIL AMPS

Fee(s) ; Renewal Fee : RM 300.00  
TOTAL: RM 300.00



DATE OF FIRST ISSUANCE : 04 SEP 1991  
VALID UNTIL : 04 SEP 2025  
DATE OF REPLACEMENT : N/A

[Digital Signature Here]  
Director of Electricity Supply,  
Sarawak



CAWANGAN KEJURUTERAAN ELEKTRIK  
JABATAN KERJA RAYA MALAYSIA

# SIJIL EMAL

Sijil Pendaftaran Bahan/Barangan Elektrik (Electrical Material Approved List) ini dikeluarkan kepada **pengilang/pembekal**:-

Syarikat : **POWERTECH ENGINEERING**

Alamat : LOT 846, SUBLOT 127, BLOCK 8, MUARA TEBAS LAND DISTRICT, DEMAK LAUT INDUSTRIAL PARK  
(PHASE III) 93050 KUCHING, SARAWAK

Bahan : **LOW VOLTAGE SWITCHBOARD ( KATEGORI I )**

Pendaftaran ini adalah seperti butiran di bawah dan tertakluk kepada Spesifikasi JKR dan **syarat-syarat di muka surat 2.**

Pengilang	: POWERTECH ENGINEERING
Negara Pengilang	: MALAYSIA
No.Telefon Syarikat	: 082 - 432650
No. Faksimili Syarikat	: 082 - 432652
Email Syarikat	: enquiry@powertech.com
Jenama	: PENGILANG PAPAN SUIS
Kadaran	: 0.600 kV
No. Perakuan ST/No. Sijil/ Laporan Ujian Jenis	: PERAKUAN ELECTRICITY SUPPLY SARAWAK : SB004
Tarikh Tamat	: 15.02.2026
Catatan	: KATEGORI I ( $I \leq 600$ AMPIAR )



Ir. HANIZAN BINTI SHAFFII

Pengarah Kanan

Cawangan Kejuruteraan Elektrik

b.p Ketua Pengarah Kerja Raya

JKR Malaysia

Tarikh dikeluarkan/diperbaharui:- 2 Mei 2024