



(1043974-M)

NOAH PROFESSIONAL LOGIC ENGINEERING SDN. BHD.

BUSINESS PROFILE

Kuching Headquarters

SUBLOT 20, FIRST FLOOR, LOT 3704 OF PARENT LOT 3370,
VISTA INDUSTRIAL PARK (BLOCK 6),
MUARA TEBAS LAND DISTRICT,
93350 KUCHING, SARAWAK, MALAYSIA

TEL: +6082- 577 425

FAX: +6082-578 425

EMAIL: enquiries@npl.com.my

Website: www.npl.com.my



SIEMENS

BECKHOFF
New Automation Technology



Dwyer

ABB

AVEVA



theben
energy saving comfort

VDA

ORVIBO



CONTENTS

- COMPANY INFORMATION
- INTRODUCTION
- KUCHING HEADQUARTERS – THE ARK
- VISION, MISSION & VALUES STATEMENT
- ORGANIZATION CHART
- INTEGRATED SERVICES & SOLUTIONS
- KEY BUSINESS DIVISIONS - IMBHS
- PROJECT HIGHLIGHT
- KEY BUSINESS DIVISIONS – HMBS
- KEY PRODUCTS
- NPL’S STRENGTHS
- PROJECT REFERENCES
- DISCLAIMER

COMPANY INFORMATION

Business Registration No. :	1043974-M		
Date of Incorporation :	25 April 2013		
Company Type :	Private Limited Company		
Board of Directors :	Ts. Lau Pick Leong (880408-52-5811)	Ts. Wong Chung Seng (880428-13-5087)	
Organization Size :	37 Employees		
Annual Revenue :	Approx. RM 24 million		
Project Book Value :	Approx. RM 90 million		
Paid Up Capital :	RM 1,500,000.00		
Principal Banker :	PUBLIC BANK BERHAD (Stutong Branch) 71, 72 & 73 Stutong Parade Jalan Setia Raja 93350 Kuching, Sarawak		
Company Secretary :	Hu Siew Lok (MAICSA 7061497)		
Auditor :	Peter Ng & Co. (AF 002263)		

COMPANY INFORMATION (CONT'D)

Accreditation : ISO9001:2015 Certified

CIDB Grade G7

Category : B, CE, ME

Specialization: (B04, CE21, E02, E03, E04, E06, E07,
E08, E10, E11, E12, E16, E32, M01,
M02, M15)

UPKJ-W Class A

Head : I

Sub-head : 1, 2 2(a)(i), 2(a)(ii), 2(b)(i), 2(b)(ii),
2(c)(i), 2(c)(ii), (a)(i), 3(a)(ii), 3(b), 3(c),
5(a), 5(b), 6

Head : II

Sub-head : 1(a), 1(b), 1(c), 2(a), 2(b), 3(a), 3(b),
3(c), 5(a), 5(b), 5(c), 6(a), 6(b), 7

Head : III

Sub-head : 1(a), 1(b), 1(c), 1(d), 1(e), 2(a), 2(b),
2(c), 2(d), 3(a), 3(b), 3(c), 4(a), 4(b),
4(c)

UPKJ-M Class A

Head : V

Sub-head : 1(a), 2(a), 2(b), 3, 5(a), 5(b), 5(c), 6,
7, 8, 9(b), 10(a), 10(b)

UPKJ-E Class I

Head : VIIA

Sub-head : 1, 2(a), 2(b)

UPKJ-E Class IV

Head : VIIB

Sub-head : 2(d), 3(d), 4(d), 5(d), 6(d)



SURUHANJAYA SYARIKAT MALAYSIA
COMPANIES COMMISSION OF MALAYSIA

BORANG 9
AKTA SYARIKAT 1965

[Seksyen 16(4)]

No. Syarikat - MyCoID

1043974

M

PERAKUAN PEMERBADANAN SYARIKAT SENDIRIAN

Dengan ini diperakui bahawa

NPL ENGINEERING SDN. BHD.

telah diperbadankan di bawah Akta Syarikat 1965, pada dan mulai dari
25 haribulan April 2013, dan bahawa syarikat ini adalah sebuah syarikat
berhad menurut syer dan bahawa syarikat ini adalah sebuah syarikat sendirian.

Dibuat di bawah tandatangan dan meterai saya di Kuching
pada 25 haribulan April 2013.



UserID: amirulhsan Date: 4/25/2013 2:11:36 PM



AMIRUL IHSAN BIN SHARIF
PENOLONG PENDAFTAR SYARIKAT
MALAYSIA

(L.R.D. No. 7—Pind. 1/86)

BORANG I
(SEKSYEN 5, 23 DAN 24(2))

ASAL

KERAJAAN NEGERI SARAWAK

No. 1201745

ORDINAN PERNIAGAAN, PROFESION DAN PERLESENAN PERDAGANGAN
(THE BUSINESSES, PROFESSIONS AND TRADING LICENSING ORDINANCE)

LESEN INI DIKELUARKAN UNTUK

NPL ENGINEERING SDN. BHD.

YANG BERTEMPAT DI

1st Floor, Lot 3704 Block 12, Muara Tebas Land District,
76-A Off Jalan Setia Raja (Vista Industrial Park), 93350

BERKENAAN DENGAN

Kuching, Sarawak
Construction Of Buildings

UNTUK MENJALANKAN PERNIAGAAN

Dengan ini saya berjanji akan membuat pembayaran tiap-tiap tahun/setengah tahun tanpa membuat sebarang tuntutan.

No. Rujukan Cukai Pendapatan saya/syarikat kami
adalah

Tandatangan Pemegang Lesen

Nombor Permohonan	Jenis	Nombor Pendaftaran Nama Nama Perniagaan (jika berkenaan)	Bayaran Tahunan
NoLesanSdnBhd3(Uti Ruj. LHDN)		1043974-M	RM 25.00

BAYARAN DIKENAKAN

BAYARAN DIBUAT

	RM	Sen	No. Resit Rasmi	Tandatangan Takang Wang
Bayaran Ansuran Pertama*	RM25.00			
Bayaran Ansuran Kedua*				

Tarikh Pengeluaran 11 JAN 2024 20.....

Sab sehingga 10/01/2025 20.....

Sistem: Daerah Kuching

b.p. Penungut/Tambahan Penungut

PINDAHMILIK

Lesen ini dipindahmilikkan kepada
dengan Permohonan untuk Pindahmilik No. dan Resit
No.

Tarikh:
Denda bagi bayaran Lewat:—

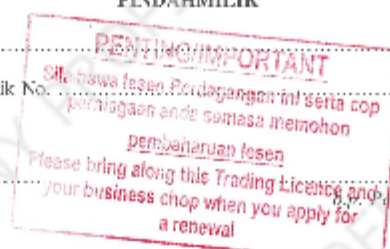
Jika mana-mana bayaran ansuran yang sudah genap mesanya tidak dibayar:—

- (a) pada hari ke-16 bulan yang berikutnya, bayaran tambahan yang sama banyaknya dengan bayaran ansuran akan dikenakan.
- (b) pada akhir bulan yang berikutnya bayaran tambahan dua kali ganda bayaran ansuran akan dikenakan.

Apabila suatu kesalahan di bawah Seksyen 3 Ordinan ini dilakukan akibat daripada tempoh bayaran ansuran tidak dibayar dalam masa satu bulan dari tarikh akhir tempoh pembayaran, Pemungut boleh, dengan persetujuan bekas Pemegang Lesen, boleh mengkompaunkannya dengan bayaran tidak melebihi seratus ringgit.

RM/R, KCE

*POTONG mana yang tidak berkenaan



(L.R.D. No. 7—Pind. 1/86)

BORANG I
(SEKSYEN 5, 23 DAN 24(2))

ASAL

KERAJAAN NEGERI SARAWAK

No. 1201746

ORDINAN PERNIAGAAN, PROFESION DAN PERLESENAN PERDAGANGAN
(THE BUSINESSES, PROFESSIONS AND TRADING LICENSING ORDINANCE)

LESEN INI DIKELUARKAN UNTUK

YANG BERTEMPAT DI ...

BERKENAAN DENGAN ...

UNTUK MENJALANKAN PERNIAGAAN

NPL ENGINEERING SDN. BHD.

1st Floor, Lot 3704 Block 12, Muara Tebas Land District, 76-A
Off Jalan Setia Raja (Vista Industrial Park), 93350 Kuching,
Sarawak
Construction Of Road And Railways

Dengan ini saya berjanji akan membuat pembayaran tiap-tiap tahun/setengah tahun tanpa membuat sebarang tuntutan.

No. Rujukan Cukai Pendapatan saya/syarikat kami

adalah

Tandatangan Pemegang Lesen

Nombor Permohonan	Jenis	Nombor Pendaftaran Nama-Nama Perniagaan (jika berkenaan)	Bayaran Tahunan
NoLesenSdnBhd4(U Ruj. LHDN)		1043974-M	RM 25.00

BAYARAN DIKENAKAN

BAYARAN DIBUAT

	RM	Sen	No. Resit Rasmi	Tandatangan Tukang Wang
Bayaran Ansuran Pertama*	RM25.00			
Bayaran Ansuran Kedua*			1311530	

Tarikh Pengeluaran 11 JAN 2024 20.....

Sah sehingga 10/01/2025 20.....

Daerah Kuching

Stesen:

b.p. Penungut/Timbangan Pemungut

PINDAHMILIK

Lesen ini dipindahmilikkan kepada

dengan Permohonan untuk Pindahmilik No. dan Resit

No.

Tarikh:

Denda bagi bayaran Lewat:—

Jika mana-mana bayaran ansuran yang sudah genap masanya tidak dibayar:—

(a) pada hari ke-16 bulan yang berikutnya, bayaran tambahan yang sama banyaknya dengan bayaran ansuran akan dikenakan.

(b) pada akhir bulan yang berikutnya bayaran tambahan dua kali ganda bayaran ansuran akan dikenakan.

Apabila suatu kesalahan di bawah Seksyen 3 Ordinan ini dilakukan akibat daripada tempoh bayaran ansuran tidak dibayar dalam masa satu bulan dari tarikh akhir tempoh pembayaran. Pemungut boleh, dengan persetujuan bekas Pemegang Lesen, boleh mengkompaunkannya dengan bayaran tidak melebihi seratus ringgit.

PNMIL. KCH

*POTONG man yang tidak berkenaan

PENTING/IMPORTANT
Sila bawa lesen Perdagangan ini serta cop
perniagaan anda bersama memohon
pembayaran lesen
Please bring along this Trading Licence and
your business chop when you apply for



(I.R.D. No. 7--Pind. 1/86)

BORANG 1
(SEKSYEN 3, 23 DAN 24(2))

ASAL

KERAJAAN NEGERI SARAWAK

No. 1201744

ORDINAN PERTIAGAAN, PROFESION DAN PERLESENAN PERDAGANGAN
(THE BUSINESSES, PROFESSIONS AND TRADING LICENSING ORDINANCE)

LESEN INI DIKELUARKAN UNTUK

NPL ENGINEERING SDN. BHD.

YANG BERTEMPAT DI

1st Floor, Lot 3704 Block 12, Muara Tebas Land
District, 76-A Off Jalan Setia Raja (Vista Industrial
Park), 93350 Kuching, Sarawak
Telecommunication Wiring

BERKENAAN DENGAN

UNTUK MENJALANKAN PERNIAGAAN

Dengan ini saya berjanji akan membuat pembayaran tiap-tiap tahun/setengah tahun tanpa membuat sebarang tuntutan.

No. Rujukan Cukai Pendapatan saya/syarikat kami
adalah

Tandatangan Pemegang Lesen

Nombor Permohonan	Jenis	Nombor Pendaftaran Nama-Nama Perniagaan (jika berkenaan)	Bayaran Tahunan
NoLesenSdnBhd2 (Utk Ruj. LHDN)		1043974-M	RM 25.00

BAYARAN DIKENAKAN

BAYARAN DIBUAT

	RM	Sen	No. Resit Rasmi	Tandatangan Tukang, Wang
Bayaran Ansuran Pertama*	RM25.00			
Bayaran Ansuran Kedua*			1311528	

Tarikh Pengeluaran 11 JAN 2024

Sah sehingga 10/01/2025

Stesen: Daerah Kuching

b.p. Pemangku Tambalan Pemangku

PINDAHMILIK

Lesen ini dipindahmilikkan kepada

dengan Permohonan untuk Pindahmilik No. dan Resit

No.

Tarikh:

Denda bagi bayaran Lewat:—

Jika mana-mana bayaran ansuran yang sudah penap masanya tidak dibayar:—

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NOTES:—

*POTONG mana yang tidak berkenaan

PENTING/IMPORTANT
Sila bawa lesen Perdagangan ini serta cop
perniagaan anda semasa memohon
pembaharuan lesen.
Please bring along this Trading License & your
business chop when you apply for
a renewal.



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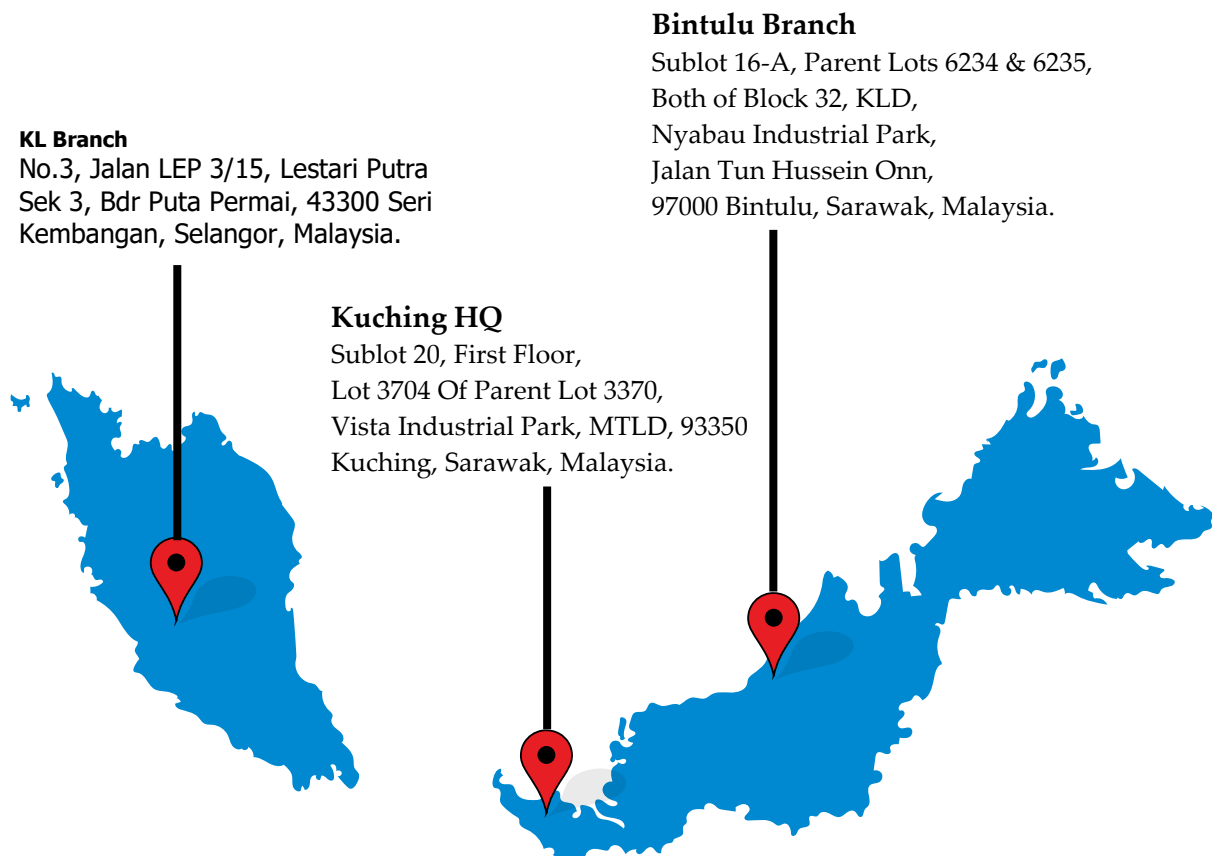
INTRODUCTION

NPL, Noah Professional Logic was established back in April 2013. We are strategically located at Kuching, the capital and most populated city in the region of Sarawak, Borneo.

With more than ten years of experience under our belt, we commit to be reliable partners in providing professional and client-centric engineering solutions to cater to the ever-expanding construction industry in Sarawak.

Growing from two (2) energetic youths to a bunch of dynamic, dedicated and professional staff, we strive to be a FIRST-CLASS Control & Automation Specialist in various aspects including but not limited to Residential, Commercial & Industrial fields.

Nonetheless, NPL is dedicated to provide mechanical and electrical solutions with the utmost professionalism.



Kuching Headquarters – The Ark



The Ark's Details:

4 Units of Light Industrial Warehouses

Land Size: 0.64 Acre

Gross Floor Area: Approx. 18000ft²

Vision Statement

To evolve as a prominent benchmark in the M&E sector, representing the pride of Sarawakian businesses.

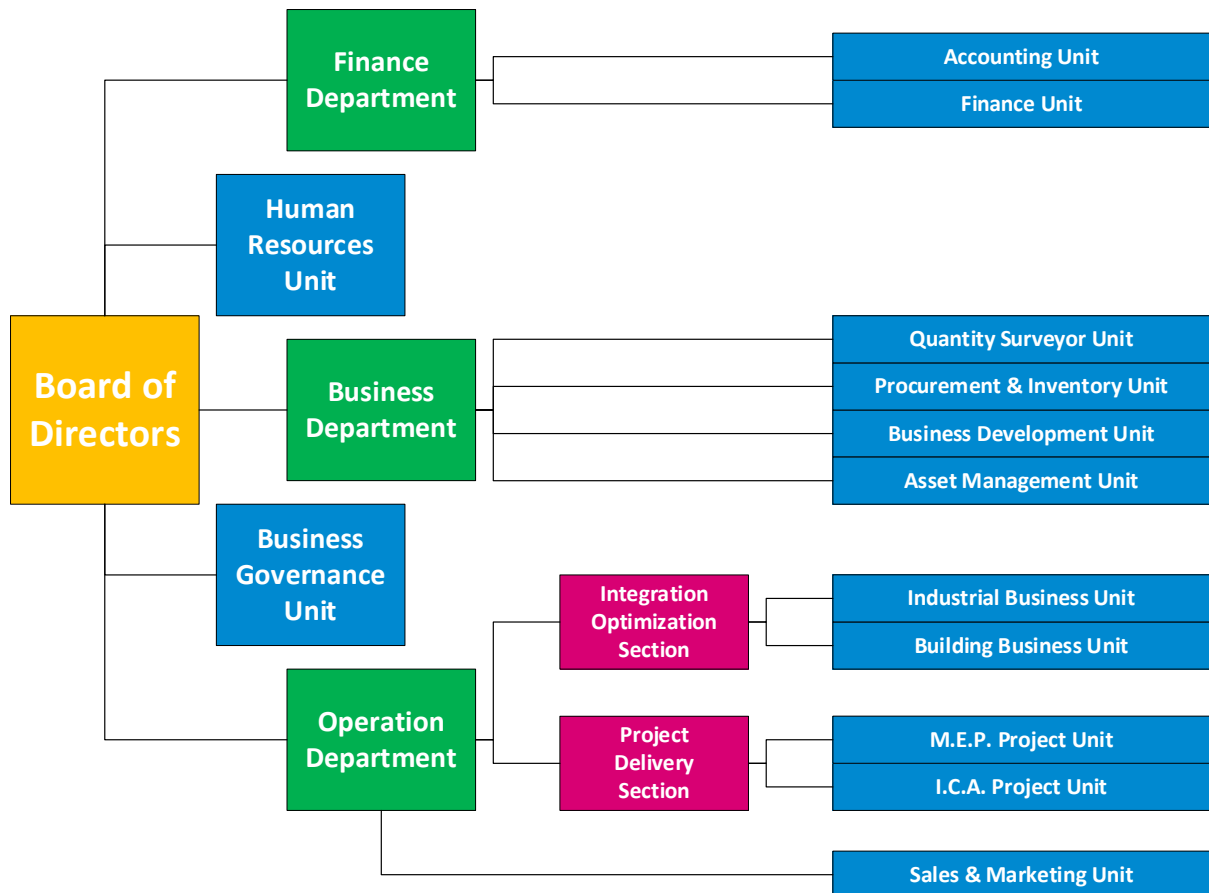
Mission Statement

To develop social needs through Technological Innovation.

Values Statement

Judgement	– Think strategically, make wise decisions.
Communication	– Treat people with respect.
Impact	– High-value works.
Innovation	– Re-conceptualization.
Courage	– Tough decisions, smart risks.
Passion	– Inspire others, thirst for excellence.
Selflessness	– Ego-less, open and proactive.
Curiosity	– Broad strategy and market knowledge.
Honesty	– Candor and directness.

NPL Organization Chart – Year 2023



INTEGRATED SERVICES & SOLUTIONS



KEY BUSINESS DIVISIONS – IMBHS

I

Instrumentation & Control Engineering

PLC / SCADA / HMI control system for the following applications:

- Heavy industry, warehouse & manufacturing factory
- Chilled-water air-conditioning system
- Raw water intake plant & Water treatment plant
- Booster pump station and high-level tanks
- GSM system

M

Mechanical & Electrical Engineering

- ACMV –VRV / VRF system & mechanical ventilation system works
- P&S – Cold water & sanitary system works
- Switchboard design & fabrication
- Generator set design & build
- In-door electrical works
- Pump connection piping

B

Building Management Engineering

- BMS integrator for Schneider & Beckhoff
- Capable to propose and design BMS that complies with the requirements of the Green Building Index (GBI)
- Control, monitor and integrate with other services such as ACMV, LV, etc.

H

Home Automation Engineering (Smart Home / Smart Lighting)

- KNX System Integrator for Schneider & GreenControls
- Capable to propose and design Smart Lighting System that complies with the requirements of the Green Building Index (GBI)
- Design and proposal for smart home control system
- Installation and programming for smart home control system based on customer request

S

Service & Maintenance

- Machinery & electrical troubleshooting – water treatment plant, chiller plant, booster pump station, manufacturing factories, etc.
- PLC & smart relay troubleshooting & reprogramming
- KNX system troubleshooting & reprogramming

PROJECT HIGHLIGHT



Client: KPJ Miri Specialist Hospital

1. 7-Storey KPJ Miri Specialist Hospital on Lot 8836, Block 11, Kuala Baram Land District, Off Tudan – Kuala Baram Link Road, Bandar Baru Permyjaya, Miri Sarawak.
 - a. Supply and install External and Internal Electrical Services.
 - b. Procure and select suitable light fittings to suit ID design and to specifically cater to the hospital's usage.
 - c. Supply and install suitable Generator Set and UPS to ensure no downtime.





Client: PR1MA Housing Matang

2. 4-Storey Apartment On Lot 11631, Section 65, KTLD (Parent O.T. 12995) And Lot 12469, Section 65, KTLD, Matang Land District (Parent O.T. 14330), At 4th Mile, Jalan Matang, Kuching. (Pr1ma Premier) (Phase 24-26)

- Supply and install External HT/LT Services for Pr1ma apartments including External MSB, external cabling works, compound lighting etc.



Client: Hock Seng Lee Berhad

3. The Construction And Completion of The Bekalan Air Mukah, Bahagian Mukah, Sarawak (Phase 2 Package 1: Proposed Upgrading of Existing Water Treatment Plant And Associated Facilities).

- Install and align pumps and motors for water supply, circulation, and distribution within the treatment system.
- Lay out and install the piping system for the transport of water within the plant.
- Install and set up water treatment process systems such as filtration, aeration, flocculation, sludge handling
- Install sensors, meters, and other instrumentation devices to monitor the performance of the water treatment processes.
- Supply and install control panels for monitoring and controlling the water treatment processes including programmable logic controllers (PLCs), human-machine interfaces (HMIs), and other control devices.
- Set up Supervisory Control and Data Acquisition (SCADA) systems for centralized monitoring and control of the water treatment processes.

4. Bekalan Air Mukah, Bahagian Mukah, Sarawak Phase 2 Package 2: Proposed Upgrading of Existing Tingkas Raw Water Intake Including Raw Water Pumping Main from Tingkas Intake to Penakub And Associated Facilities.

- Install and align pumps and motors for water intake
- Lay out and install the piping system for the transport of water.
- Install sensors, meters, and other instrumentation devices to monitor the performance of the water intake processes.
- Supply and install control panels for monitoring and controlling water intake processes including programmable logic controllers (PLCs), human-machine interfaces (HMIs), and other control devices.
- Set up Supervisory Control and Data Acquisition (SCADA) systems for centralized monitoring and control of the water intake and pumping station.



Client: Techkem Water Sdn. Bhd.

5. Proposed Site Investigation, Survey, Design, Supply, Delivery, Construction, Completion Including Testing and Commissioning of Sungai Asap Water Supply, Bakun, Bahagian Kapit, Sarawak.

- Supply and install control panels for monitoring and controlling the water treatment processes including programmable logic controllers (PLCs), human-machine interfaces (HMIs), and other control devices.
- Install sensors, meters, and other instrumentation devices to monitor the performance of the water treatment processes.
- Installation and termination of cablings for power distribution, control systems, and instrumentations.
- Supply and install PLC system at each process area to link with HMI to monitor for whole treatment plant process.
- Supply and install telemetry services to link with Remote Terminal Unit (RTU) at Reservoir area.



Client: Iljin Material Malaysia Sdn. Bhd.

6. Proposed EDM Control Panel Cable Laying Work on Lot 3839, Block 12, Muara Tebas Land District, Kuching, Sarawak for ILJIN MATERIALS Malaysia Sdn. Bhd.

- Lay power and signal cabling for field instruments such as sensors and motors.
- Supply and install PLC to monitor and control all field devices (For example: edge sensor, counter, level switch, temperature sensor, 50kA DC circuit breaker, edge motor, anticorrosive winder, drum motor, sub winder, side motor, oscillation motor and etc).

7. Dissolution Instrumentation & HMI System Construction of Proposed 3-Storey Factory with Ancillary Buildings for Research, Design & Manufacture of Elecfoil.

- Lay power and signal cabling for field instruments such as sensors and motors.
- Supply and install control and alarm panels to control and monitor separate manufacturing stages and processes.
- PLC and SCADA Workstations are linked together as a ring network using fiber optic cable with high-level interface to monitor processes using Modbus TCP/IP protocol.
- Supply and Install 4 SCADA workstations to monitor the overall production, using PLC to monitor and control all field devices for the 3 major processes, namely EDM, Dissolution, and Rectifier.
- Total of 330 AI points and 3 DO points for 3 PLC panels installed with Siemens S7-400 series PLC complete with design for redundancy.
- Alarms will be sounded if monitored devices exhibit values above the programmed setpoint, signaling a fault.

8. Electrical Installation Works for Waste Water Treatment Plant System & DI Water Plant System for Iljin Material Malaysia Sdn. Bhd.

- Lay power and signal cabling for field instruments such as sensors and motors.
- Install Air ducts for pneumatic valves.
- Install and terminate all sensors. For example, PH sensor, level transmitter, pressure transmitter, temperature sensor, Parshall flume, etc.
- Supply and install PLC to monitor and control all field devices.

KEY PRODUCTS

1 – SUPERVISORY CONTROL & DATA ACQUISITION (SCADA)



Aveva PlantSCADA

Twin**CAT**® 3



Beckhoff Twincat 3 HMI



Siemens WinCC

2 – TELEMETRY AND COMMUNICATION GATEWAY



ABB Arctic Lite
Industrial Wireless Gateway



ABB M2M Gateway
Industrial Communication Server



Teltonika RUT
Industrial Cellular Router

3 – INSTRUMENTATIONS & SENSORS



Euromag MC608
Electromagnetic Flowmeter



Dwyer UL Series
Ultrasonic Level Sensor



Dwyer 626 & 628 Series
Pressure Transmitter

2 - SCHNEIDER ELECTRIC PROGRAMMABLE CONTROLLER



Modicon M221
Industrial Machine Controller



Easy Harmony GXU
Human Machine Interface



Altivar Easy 610
Variable Speed Drive



Modicon M580
Hot Standby Controller



Modicon M340
Hot Standby Controller



PowerLogic PM
Digital Power Meter



SmartX Controller
Building Automation Controller



Space Logic KNX
KNX Smart Lighting Actuator

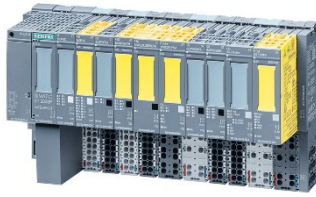


KNX multitouch Pro

3 - SIEMENS PROGRAMMABLE CONTROLLER



LOGO! Smart Relay
Simplicity, ease of use



SIMATIC ET200SP
Compactness, flexibility



SIMATIC S7-1500
Robustness

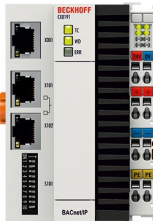


SIMATIC S7-400
High Performance PLC



HMI TP1200
Human Machine Interface

4 - BECKHOFF PROGRAMMABLE CONTROLLER



Embedded PC CX8100
Compactness, flexibility



IPC C60XX
Ultra-Compact Industrial PC



Panel PC
Combination of IPC & HMI

5 - SHIHLIN ELECTRIC TRANSFORMER



Oil Immersed Transformer

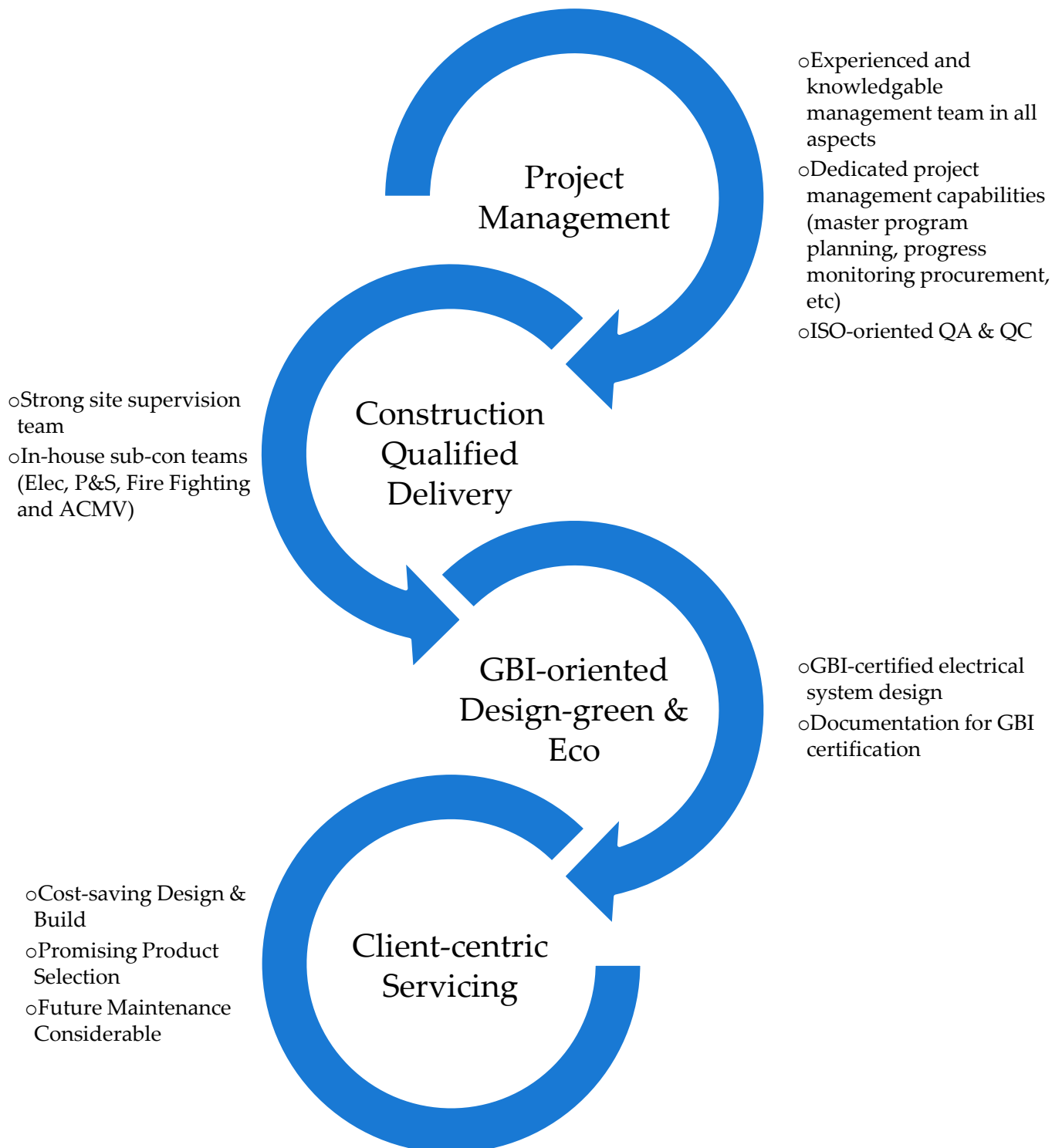


Cast Resin Transformer



Power Transformer

NPL'S STRENGTHS



CERTIFICATE

No. 77559
WONG CHUNG SENG

is herewith declared



KNX Association hereby confirms that the above person has successfully attended the **KNX Basic course**.

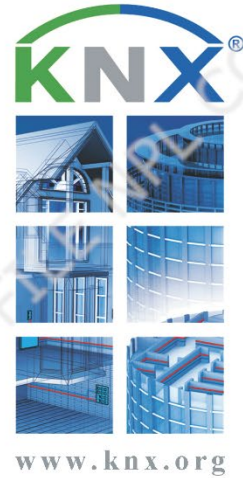
With this certificate authorisation is granted to use the "KNX Partner" logo in compliance with the terms agreed upon.

KNX Association

Brussels, date
28/05/2018

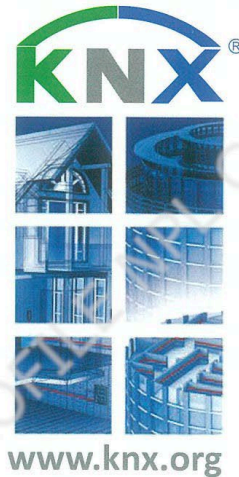
A handwritten signature in black ink, appearing to read "J. Van der ...".

Please verify authenticity of this certificate via consulting the KNX Web pages.



KNX Skills Development Centre Sdn. Bhd. (1066716-D)
Certified KNX Training Centre

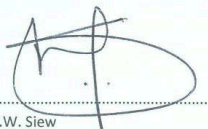
CERTIFICATE OF ATTENDANCE
for
KNX BASIC CERTIFIED TRAINING



We hereby certified **MR. JARVIS LING SING KIENG (KNX No: 503654)** has attended 40 hours of KNX Basic Certified Training at KNX Skills Development Centre Sdn Bhd on 17th January 2022.

Course consists of the following:

- KNX - System Argument
- KNX - System Overview
- KNX - TP1 Topology
- KNX - Bus Devices
- KNX - TP1 Installation
- KNX - KNX RF
- KNX - Project Design ETS 5 (Basic)
- KNX - Commissioning ETS 5
- KNX - Project Design ETS 5 (Advance)
- KNX - ETS 5 Diagnostics

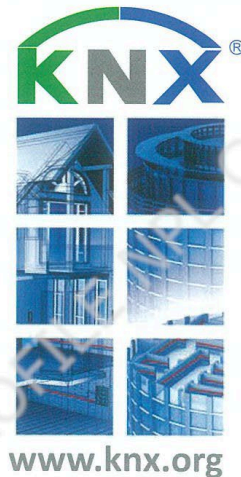

P.W. Siew
KNX Certified Tutor

Address: N-0-11, Pusat Perdagangan Kuchai, No.2, Jalan 1/127, Off Jalan Kuchai Lama,
58200 Kuala Lumpur, Malaysia
Tel: +6 03 7986 0111 Fax: +6 03 7986 0444



KNX Skills Development Centre Sdn. Bhd. (1066716-D)
Certified KNX Training Centre

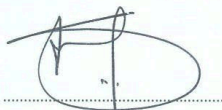
CERTIFICATE OF ATTENDANCE
for
KNX BASIC CERTIFIED TRAINING



We hereby certified **MR. GOH ING SIANG (KNX No: 385903)** has attended 40 hours of KNX Basic Certified Training at KNX Skills Development Centre Sdn Bhd on 17th January 2022.

Course consists of the following:

- KNX - System Argument
- KNX - System Overview
- KNX - TP1 Topology
- KNX - Bus Devices
- KNX - TP1 Installation
- KNX - KNX RF
- KNX - Project Design ETS 5 (Basic)
- KNX - Commissioning ETS 5
- KNX - Project Design ETS 5 (Advance)
- KNX - ETS 5 Diagnostics


P.W. Siew
KNX Certified Tutor

Address: N-0-11, Pusat Perdagangan Kuchai, No.2, Jalan 1/127, Off Jalan Kuchai Lama,
58200 Kuala Lumpur, Malaysia
Tel: +6 03 7986 0111 Fax: +6 03 7986 0444



 The worldwide STANDARD for home and building control

Registration **C01275**

**ELECTRICITY ORDINANCE
ELECTRICITY RULES, 1999**

FORM O

(Rule 74)

**CERTIFICATE OF REGISTRATION AS
AN ELECTRICAL INSTALLATION CONTRACTOR**

In accordance with rule 74 of the Electricity Rules, 1999, this
issued to **JARVIS LING SING KIENG (I.C. No.:870112-52-5901)**
(holder)

on behalf of **NPL ENGINEERING SDN. BHD.**
(name of business)

and authorizes him to carry on the business of electrical work as an Electrical Installation Contractor in **Sarawak** for a period of twelve months from the date of issue or renewal shown below :

Date of renewal : **27 MAR 2022**

Restriction (if any) : To undertake the following works:

1. Building Contract Electrical Wiring
Authorised To Test

2. Electrical Installation Works:
 - i. Wiring Works
 - ii. Installation and Equipment

NOTE:

1. Holder restricted to work scope above;
2. Voltage level will be base on Electrical Competency Certificate; and
3. Other work scope(s) require hiring of relevant competent person.

Fee(s) ; Renewal Fee : RM 50.00
TOTAL: RM 50.00



DATE OF FIRST ISSUANCE : 29 APR 2020
VALID UNTIL : 29 APR 2023
DATE OF REPLACEMENT : N/A



Digital Signed by MOLL
on 28/03/2022 1:16 AM



Director of Electricity Supply,
Sarawak

Registration **C01308**

**ELECTRICITY ORDINANCE
ELECTRICITY RULES, 1999**

FORM O

(Rule 74)

**CERTIFICATE OF REGISTRATION AS
AN ELECTRICAL INSTALLATION CONTRACTOR**

In accordance with rule 74 of the Electricity Rules, 1999, this Certificate is

issued to **ROGER FAM FOOK PENG (I.C. No.:780820-13-5657)**

(holder)

on behalf of **NPL ENGINEERING SDN BHD**

(name of business)

and authorizes him to carry on the business of electrical work as an Electrical Installation Contractor in **Sarawak** for a period of twelve months from the date of issue or renewal shown below :

Date of renewal : **04 NOV 2021**

Restriction (if any) : To undertake the following works:

1. NOT Authorised To Test (Internal Wiring)

2. Electrical Installation Works:
 - i. Installation and Equipment

NOTE:

1. Holder restricted to work scope above;
2. Voltage level will be base on Electrical Competency Certificate; and
3. Other work scope(s) require hiring of relevant competent person.

Fee(s) ;	Renewal Fee	:	RM	50.00
			TOTAL: RM	50.00



Digital Signature of MOLE
on 05/11/2020 2:31 PM



Director of Electricity Supply,
Sarawak

DATE OF FIRST ISSUANCE : 02 NOV 2020

VALID UNTIL : 02 NOV 2022

DATE OF REPLACEMENT : N/A

Certificate No.: **CH03009**

**ELECTRICITY ORDINANCE
ELECTRICITY RULES, 1999**

FORM K

(Rule 56)

**CERTIFICATE OF COMPETENCY
AS A CHARGE MAN**

Name: **JARVIS LING SING KIENG**

Holder's Identity Card No. **870112-52-5901** Holder's Date of Birth : **12 JAN 1987**

having been examined and found to possess the qualifications prescribed by the Electricity Rules, 1999, made under the Electricity Ordinance (Cap.137 [1958 Ed.]), this Certificate of Competency as a Chageman is hereby issued to him and shall not be used by any other person.

RESTRICTION, IF ANY:

CATEGORY:

*** L1, L3 ***

*** Not Permitted To Perform High Voltage Switching Operation***

***** End of Category *****

REMARK : *NIL*****



PLACE : *NIL*****

VALID UNTIL 15 JAN 2023

Holder's Signature



Director of Electricity Supply,
Sarawak

DATE OF FIRST ISSUANCE : 15 JAN 2020

In the event of this Certificate coming into the possession of any person other than the person to whom it has been issued, it shall be returned forthwith to Director of Electricity Supply,

EXPLANATION OF CATEGORY AND SWITCHING CLASS :

CATEGORY :

- L1 - Low Voltage (LV) Main Switchboard & Auxiliaries.
- L2(O/H) - Low Voltage (LV) Overhead lines & Auxiliaries.
- L2(U/G) - Low Voltage (LV) Underground Cable Laying & Auxiliaries.
- L2 - Low Voltage (LV) Overhead Lines, Underground Cable Laying & Auxiliaries.
- L3 - Low Voltage (LV) Generating Stations.
- L4 - Low Voltage Stand-alone Photovoltaic (PV) System
- L4(GC) - Grid-Connected Low Voltage Photovoltaic (PV) System
- L4(OG) - Off-Grid Low Voltage Photovoltaic (PV) System
- H1 - Voltage Higher Than Low Voltage (HV) Electrical Substation & Auxiliaries.

- H2(O/H) - Voltage Higher Than Low Voltage (HV) Overhead Lines & Auxiliaries.
- H2(U/G) - Voltage Higher Than Low Voltage (HV) Underground Cable Laying & Auxiliaries.
- H2 - Voltage Higher Than Low Voltage (HV) Overhead Lines, Underground Cable Laying & Auxiliaries.
- H3 - Voltage Higher Than Low Voltage (HV) Generating

SWITCHING CLASS :

- Class 1 - Permitted to Issue & Cancel Electrical Permit To Work (EPTW).
- Class 2 - Not Permitted to Issue & Cancel Electrical Permit To Work (EPTW).

Certificate No.: **CH00990**

ELECTRICITY ORDINANCE
ELECTRICITY RULES, 1999

FORM K

(Rule 56)

**CERTIFICATE OF COMPETENCY
AS A CHARGEMAN**

Name: **ROGER FAM FOOK PENG**

Holder's Identity Card No. **780820-13-5657** Holder's Date of Birth : **20 AUG 1978**

having been examined and found to possess the qualifications prescribed by the Electricity Rules, 1999, made under the Electricity Ordinance (Cap.137 [1958 Ed.]), this Certificate of Competency as a Chargeman is hereby issued to him and shall not be used by any other person.

RESTRICTION, IF ANY:

CATEGORY:

*** L1 ***

*** Not Permitted To Perform High Voltage Switching Operation***

***** End of Category *****



REMARK : *****NIL*****

PLACE : *****NIL*****

VALID UNTIL **15 AUG 2024**



Holder's Signature



Digitally signed by MOLL on 13/08/2023 10:10 PM

Director of Electricity Supply,
Sarawak

DATE OF FIRST ISSUANCE : **15 AUG 2013**

In the event of this Certificate coming into the possession of any person other than the person to whom it has been issued, it shall be returned forthwith to Director of Electricity Supply,

EXPLANATION OF CATEGORY AND SWITCHING CLASS :

CATEGORY :

- L1 - Low Voltage (LV) Main Switchboard & Auxiliaries.
- L2(O/H) - Low Voltage (LV) Overhead Lines & Auxiliaries.
- L2(U/G) - Low Voltage (LV) Underground Cable Laying & Auxiliaries.
- L2 - Low Voltage (LV) Overhead Lines, Underground Cable Laying & Auxiliaries.
- L3 - Low Voltage (LV) Generating Stations.
- L4 - Low Voltage Stand-alone Photovoltaic (PV) System
- L4(GC) - Grid-Connected Low Voltage Photovoltaic (PV) System
- L4(OG) - Off-Grid Low Voltage Photovoltaic (PV) System
- H1 - Voltage Higher Than Low Voltage (HV) Electrical Substation & Auxiliaries.

H2(O/H) - Voltage Higher Than Low Voltage (HV) Overhead Lines &

H2(U/G) - Voltage Higher Than Low Voltage (HV) Underground Cable Laying & Auxiliaries.

H2 - Voltage Higher Than Low Voltage (HV) Overhead Lines, Underground Cable Laying & Auxiliaries.

H3 - Voltage Higher Than Low Voltage (HV) Generating

SWITCHING CLASS :

Class 1 - Permitted to Issue & Cancel Electrical Permit To Work (EPTW).

Class 2 - Not Permitted to Issue & Cancel Electrical Permit To Work (EPTW).

RFA

Certificate **W004624**

ELECTRICITY ORDINANCE
ELECTRICITY RULES, 1999

FORM L

(Rule 56)

**CERTIFICATE OF COMPETENCY
AS A WIREMAN**

Name: **JARVIS LING SING KIENG**

Holder's Identity Card No. : **870112-52-5901** Holder's Date of Birth : **12 JAN 1987**

having been examined and found to possess the qualifications prescribed by the Electricity Rules, 1999, made under the Electricity Ordinance (Cap.137 [1958 Ed.]), this Certificate of Competency as a Wireman is hereby issued to him and shall not be used by any other person.

RESTRICTION, IF ANY:

CATEGORY:

Wireman First Grade

*** End of Category ***

REMARK : *****NIL*****

PLACE: *****NIL*****

VALID UNTIL : 29 JUL 2023

Holder's Signature



Digital Signature of DOUGLAS K. SAWI
on 29/04/2020 at 09:11 AM

Director of Electricity Supply,
Sarawak

DATE OF FIRST ISSUANCE : 29 JUL 2020

In the event of this Certificate coming into the possession of any person other than the person to whom it has been issued, it shall be returned forthwith to Director of Electricity Supply,

EXPLANATION OF CATEGORY :

CATEGORY :

- | | |
|----------------------|---|
| Wireman Second Grade | - Low Voltage Single-Phase Installation |
| Wireman First Grade | - Low Voltage Three-Phase and Single-Phase Installation |



CERTIFICATE OF COMPLETION

This is to certify that

JARVIS LING SING KIENG

IC NO. 870112-52-5901

has successfully completed the course by passing all the assessment required for

TRAIN-THE-TRAINER

on
07 May 2021

GEM Consultancy

at GEM Training Room, Kuching, Malaysia

Module Code	Module Name
CT1	PLAN ADULT LEARNING
CT2	CONDUCT TRAINING NEEDS ANALYSIS (TNA)
CT3	DESIGN COMPETENCY BASED TRAINING PROGRAMME
CT4	CONDUCT COMPETENCY BASED TRAINING PROGRAMME
CT5	ASSESS PARTICIPANT'S COMPETENCE



Certificate Id

b7e26d40-becf-4cad-89d1-6446dda981fe

Verify Authenticity

<https://capai.hrdcorp.gov.my/verify?id=b7e26d40-becf-4cad-89d1-6446dda981fe>



CERTIFICATE OF COMPLETION

This is to certify that

LING EE HWANG

IC NO. 870330-52-6881

has successfully completed the course by passing all the assessment required for

TRAIN-THE-TRAINER

on
22 April 2022

GEM Consultancy

at Remote Online Learning (Zoom), Malaysia

Module Code	Module Name
CT1	PLAN ADULT LEARNING
CT2	CONDUCT TRAINING NEEDS ANALYSIS (TNA)
CT3	DESIGN COMPETENCY BASED TRAINING PROGRAMME
CT4	CONDUCT COMPETENCY BASED TRAINING PROGRAMME
CT5	ASSESS PARTICIPANT'S COMPETENCE



Certificate Id

9d9820d1-571d-4373-84bb-3a7a836078b2

Verify Authenticity

<https://capai.hrdcorp.gov.my/verify?id=9d9820d1-571d-4373-84bb-3a7a836078b2>



AKTA TEKNOLOGIS DAN JURUTEKNIK 2015

PERATURAN-PERATURAN TEKNOLOGIS DAN JURUTEKNIK (FT) 2017

No. Perakuan PT21070016



LEMBAGA TEKNOLOGIS MALAYSIA

PEMBAHARUAN PENDAFTARAN SEBAGAI

TEKNOLOGIS PROFESIONAL

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama : TS. LAU PICK LEONG

No.Kad Pengenalan : 880408525811

Alamat : RIVERVALE CONDOMINIUM, UNIT A-7-6, LORONG STUTONG 11D1, , 93350

LOGIS MALAYSIA EMBAGA KUCHING SARAWAK, MALAYSIA

Bidang Teknologi: MANUFACTURING & INDUSTRIAL TECHNOLOGY (ME)

Yang telah mematuhi kebendah-kebendah Akta Teknologis dan Juruteknik 2015 didaftarkan sebagai seorang TEKNOLOGIS

PROFESIONAL tertakluk kepada syarat-syarat yang telah dinyatakan di bawah.

Syarat-syarat:

I. Pembaharuan pendaftaran mulai 16 JULAI 2023

II. Memenuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015, membayar fi yang ditetapkan dalam Peraturan-Peraturan Teknologis dan Juruteknik (Fi) 2017 dan memenuhi kriteria yang ditentukan oleh Lembaga Teknologis Malaysia; dan

III. Menggunakan gelaran singkatan “Ts.” sebelum nama atau “P.Tech.” dan kepakaran selepas nama.

Pendaftaran ini akan tamat tempoh pada : 16 JULAI 2024

DATUK Ir. Ts. DR. SITI HAMISAH

BINTI TAPSIR
Presiden

DR. MD FAUZI BIN MD ISMAIL

Pendaftaran

Tarikh Dikeluarkan : 17 JULAI 2023

* No Rujukan ** PT21070016 ** RM 200.00 ** Tarikh pembayaran 03-08-2023*

Pengesahan pendaftaran hendaklah disemak di laman web www.mbot.org.my



AKTA TEKNOLOGIS DAN JURUTEKNIK 2015

PERATURAN-PERATURAN TEKNOLOGIS DAN JURUTEKNIK (FT) 2017

No. Perakuan PT21080471



1) THE FUNDAMENTAL CONCEPTS OF MATHEMATICS
 2) THE FUNDAMENTAL CONCEPTS OF MATHEMATICS

LEMBAGA TEKNOLOGIS MALAYSIA

PEMBAHARUAN PENDAFTARAN SEBAGAI

TEKNOLOGIS PROFESIONAL

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Name: **EMBAGA TEKNOLOGI T3: WONG CHUNG SENG**

No.Kad Pengenalan : 880428135087

**Alamat : BLOCK A PLOT 80 LEVEL 8 L9244 UNIT A-8-12, JLN STUTONG RIVERVALE
CONDOMINIUM, 93350 KUCHING SARAWAK, MALAYSIA.**

Bidang Teknologi **INFORMATION & COMPUTING TECHNOLOGY (IT)**

Yang telah mematuhi kebendah-kebendah Akta Teknologis dan Juruteknik 2015 didaftarkan sebagai seorang TEKNOLOGIS

PROFESIONAL tertakluk kepada syarat-syarat yang telah dinyatakan di bawah.

Syarat-syarat:

I. Pembaharuan pendaftaran mulai 26 OGOS 2023

II. Memenuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015, membayar fi yang ditetapkan dalam Peraturan-Peraturan Teknologis dan Juruteknik (Fi) 2017 dan memenuhi kriteria yang ditentukan oleh Lembaga Teknologis Malaysia; dan

III. Menggunakan gelaran singkatan "Ts." sebelum nama atau "P.Tech." dan kepakaran selepas nama

Pendaftaran ini akan tamat tempoh pada : 26 OGOS 2024

DATUK Ir. Ts. DR. SITI HAMISAH

BINTI TAPSIR

President

DR. MD FAUZI BIN MD ISMAIL

Pendafisar

Tarikh Dikeluarkan : 27 OGOS 2023

* No Bujukan ** PT21080471 ** RM 200.00 ** Tarikh pembayaran 09-08-2023*

Pengesahan pendaftaran hendaklah disemak di laman web www.mbot.org.my



AKTA TEKNOLOGIS DAN JURUTEKNIK 2018

PERATURAN-PERATURAN TEKNOLOGIS DAN JURUTEKNIK (FT) 2017

No. Perakuan PT21020142



LEMBAGA TEKNOLOGIS MALAYSIA

PEMBAHARUAN PENDAFTARAN SEBAGAI

TEKNOLOGIS PROFESIONAL

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama _____

No. Kad Pengenalan: 780820135657

Alamat : 10A, LORONG STAMPIN 23DIB, PROGRESS AVENUE, , 93350 KUCHING
SARAWAK, MALAYSIA

Bidang Teknologi: ELECTRICAL & ELECTRONICS TECHNOLOGY (EE)

Yang telah mematuhi kebendah-kebendah Akta Teknologis dan Juruteknik 2015 didaftarkan sebagai seorang TEKNOLOGIS

PROFESIONAL tertakluk kepada syarat-syarat yang telah dinyatakan di bawah.

Syarat-syarat:

I. Pembaharuan pendaftaran mulai 18 FEBRUARI 2023

II. Memenuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015, membayar fi yang ditetapkan dalam Peraturan-Peraturan Teknologis dan Juruteknik (Fi) 2017 dan memenuhi kriteria yang ditentukan oleh Lembaga Teknologis Malaysia; dan

III. Menggunakan gelaran singkatan “Ts.” sebelum nama atau “P.Tech.” dan kepakaran selepas nama

Pendaftaran ini akan tamat tempoh pada : 18 FEBRUARI 2024

DATUK Ir. Ts. DR. SITI HAMISAH

BINTI TAPSIR

President

DR. MD FAUZI BIN MD ISMAIL

Pendaftaran

Tarikh Dikeluarkan : 19 FEBRUARI 2023

* No Rujukan ** PT21020142 ** RM 200.00 ** Tarikh pembayaran 08-02-2023*

Pengesahan pendaftaran hendaklah disemak di laman web www.mbot.org.my

AKTA TEKNOLOGIS DAN JURUTEKNIK 2015

PERATURAN-PERATURAN TEKNOLOGIS DAN JURUTEKNIK (FI) 2017

No. Perakuan PT20100257



LEMBAGA TEKNOLOGIS MALAYSIA

PEMBAHARUAN PENDAFTARAN SEBAGAI
TEKNOLOGIS PROFESIONAL

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama : **Ts. JARVIS LING SING KIENG**

No. Kad Pengenalan : **870112525901**

Alamat : **457, LORONG PARADISE 18, GIGANTIC JOYOUS PARK, 93250 KUCHING
SARAWAK, MALAYSIA.**

Bidang Teknologi : **ELECTRICAL & ELECTRONICS TECHNOLOGY (EE)**

Yang telah mematuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015 didaftarkan sebagai seorang **TEKNOLOGIS
PROFESIONAL** tertakluk kepada syarat-syarat yang telah dinyatakan di bawah.

Syarat-syarat:

I. Pembaharuan pendaftaran mulai 08 OKTOBER 2021

**II. Memenuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015, membayar fi yang
ditetapkan dalam Peraturan-Peraturan Teknologis dan Juruteknik (Fi) 2017 dan memenuhi
kriteria yang ditentukan oleh Lembaga Teknologis Malaysia; dan**

**III. Menggunakan gelaran singkatan "Ts." sebelum nama atau "P.Tech." dan kepakaran selepas
nama.**

Pendaftaran ini akan tamat tempoh pada : 08 OKTOBER 2022



**DATUK Ir. Ts. DR. SITI HAMISAH
BINTI TAPSIR**
Presiden

DR. MD FAUZI BIN MD ISMAIL
Pendaftar

Tarikh Dikeluarkan : **09 OKTOBER 2021**

* No Rujukan ** PT20100257 ** RM 200.00 ** Tarikh pembayaran 21-02-2022*

Pengesahan pendaftaran hendaklah disemak di laman web www.mbot.org.my



AKTA TEKNOLOGIS DAN JURUTEKNIK 2015

PERATURAN-PERATURAN TEKNOLOGIS DAN JURUTEKNIK (FI) 2017

No. Perakuan PT22080465



LEMBAGA TEKNOLOGIS MALAYSIA

PERAKUAN PENDAFTARAN SEBAGAI

TEKNOLOGIS PROFESIONAL

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama : **TS. LING EE HWANG**

No. Kad Pengenalan : **870330526881**

Alamat : **859C, LORONG 9F1A, TAMAN UNI-CENTRAL 94300 KOTA SAMARAHAN SARAWAK MALAYSIA**

Bidang Teknologi : **INFORMATION & COMPUTING TECHNOLOGY (IT)**

Yang telah mematuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015 didaftarkan sebagai seorang **TEKNOLOGIS PROFESIONAL** tertakluk kepada syarat-syarat yang telah dinyatakan di bawah.

Syarat-syarat:

I. **Pendaftaran lulus mulai 16 OGOS 2022;**

II. **Memenuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015, membayar fi yang ditetapkan dalam Peraturan-Peraturan Teknologis dan Juruteknik (Fi) 2017 dan memenuhi kriteria yang ditentukan oleh Lembaga Teknologis Malaysia; dan**

III. **Menggunakan gelaran singkatan "Ts." sebelum nama atau "P.Tech." dan kepakaran selepas nama.**

Perakuan pendaftaran ini akan tamat tempoh pada : 15 OGOS 2023



IR. TS. DR. SITI HAMISAH BINTI TAPSI
Presiden



DR. MD FAUZI BIN MD ISMAIL
Pendaftar



Tarikh Dikeluarkan : **16 OGOS 2022**

* No. Rujukan OR2208160465 ** PT22080465 ** RM 350 ** Tarikh pembayaran 16-08-2022 *

Pengesahan pendaftaran hendaklah disemak di laman web www.mbot.org.my



AKTA TEKNOLOGIS DAN JURUTEKNIK 2015

PERATURAN-PERATURAN TEKNOLOGIS DAN JURUTEKNIK (FT) 2017

No. Perakuan PT22040303



LEMBAGA TEKNOLOGIS MALAYSIA

PEMBAHARUAN PENDAFTARAN SEBAGAI

TEKNOLOGIS PROFESIONAL

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama : **Ts. IRENE CHAN**

No.Kad Pengenalan : 921113135080

Alamat : 365H, LORONG 9B, JALAN KAPOR, 93150 KUCHING, , 93150 KUCHING
SARAWAK, MALAYSIA

Bidang Teknologi: ELECTRICAL & ELECTRONICS TECHNOLOGY (EE)

Yang telah mematuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015 didaftarkan sebagai seorang TEKNOLOGIS

PROFESIONAL tertakluk kepada syarat-syarat yang telah dinyatakan di bawah.

Syarat-syarat:

I. Pembaharuan pendaftaran mulai 25 APRIL 2023

II. Memenuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015, membayar fi yang ditetapkan dalam Peraturan-Peraturan Teknologis dan Juruteknik (Fi) 2017 dan memenuhi kriteria yang ditentukan oleh Lembaga Teknologis Malaysia; dan

III. Menggunakan gelaran singkatan "Ts." sebelum nama atau "P.Tech." dan kepakaran selepas nama.

Pendaftaran ini akan tamat tempoh pada : 25 APRIL 2024

DATUK Ir. Ts. DR. SITI HAMISAH

BINTI TAPSIR

President

DR. MD FAUZI BIN MD ISMAIL

Pendaftaran

Tarikh Dikeuarkan : 26 APRIL 2023

* No Rujukan ** PT22040303 ** RM 200.00 ** Tarikh pembayaran 07-04-2023*

Pengesahan pendaftaran hendaklah disemak di laman web www.mbot.org.my



AKTA TEKNOLOGIS DAN JURUTEKNIK 2015
PERATURAN-PERATURAN TEKNOLOGIS DAN JURUTEKNIK (FI) 2017

No. Perakuan PT22040215



LEMBAGA TEKNOLOGIS MALAYSIA
PERAKUAN PENDAFTARAN SEBAGAI
TEKNOLOGIS PROFESIONAL

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama : **Ts. GOH ING SIANG**

No.Kad Pengenalan : **940712135465**

Alamat : **PARCEL 1433 BLOCK 14 UNIT 3 TINGKAT 3 JALAN ARANG 93250 KUCHING SARAWAK MALAYSIA**

Bidang Teknologi : **ELECTRICAL & ELECTRONICS TECHNOLOGY (EE)**

Yang telah mematuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015 didaftarkan sebagai seorang **TEKNOLOGIS PROFESIONAL** tertakluk kepada syarat-syarat yang telah dinyatakan di bawah

Syarat-syarat:


I. **Pendaftaran lulus mulai 26 APRIL 2022;**

II. **Memenuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015, membayar fi yang ditetapkan dalam Peraturan-Peraturan Teknologis dan Juruteknik (Fi) 2017 dan memenuhi kriteria yang ditentukan oleh Lembaga Teknologis Malaysia; dan**

III. **Menggunakan gelaran singkatan "Ts." sebelum nama atau "P.Tech." dan kepakaran selepas nama.**

Perakuan pendaftaran ini akan tamat tempoh pada : 25 APRIL 2023


DATUK Ir. Ts. DR. SITI HAMISAH
BINTI TAPSIR
Presiden


DR. MD FAUZI BIN MD ISMAIL
Pendaftar

Tarikh Dikeluarkan : 26 APRIL 2022

* No. Rujukan OR2204260215 ** PT22040215 ** RM 350 ** Tarikh pembayaran 26-04-2022 *

Pengesahan pendaftaran hendaklah disemak di laman web www.mbot.org.my



AKTA TEKNOLOGIS DAN JURUTEKNIK 2015

PERATURAN-PERATURAN TEKNOLOGIS DAN JURUTEKNIK (FI) 2017

No. Perakuan PT22120124



**LEMBAGA TEKNOLOGIS MALAYSIA
PERAKUAN PENDAFTARAN SEBAGAI
TEKNOLOGIS PROFESIONAL**

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama : **Ts. EDDIE CHOO JIAN WEI**

No.Kad Pengenalan : **940908135125**

Alamat : **NO.48, LORONG KEMPAS 16A, JALAN KEMPAS, TAMAN MILLION, 93350
KUCHING SARAWAK MALAYSIA**

Bidang Teknologi : **ELECTRICAL & ELECTRONICS TECHNOLOGY (EE)**

Yang telah mematuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015 didaftarkan sebagai seorang **TEKNOLOGIS PROFESIONAL** tertakluk kepada syarat-syarat yang telah dinyatakan di bawah.

Syarat-syarat:

I. Pendaftaran lulus mulai **09 DISEMBER 2022**;

II. Memenuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015, membayar fi yang ditetapkan dalam Peraturan-Peraturan Teknologis dan Juruteknik (Fi) 2017 dan memenuhi kriteria yang ditentukan oleh Lembaga Teknologis Malaysia; dan

III. Menggunakan gelaran singkatan "Ts." sebelum nama atau "P.Tech." dan kepakaran selepas nama.

Perakuan pendaftaran ini akan tamat tempoh pada : **08 DISEMBER 2023**



[Signature]

**DATUK Ir. Ts. DR. SITI HAMISAH
BINTI TAPSI**
Presiden

[Signature]

DR. MD FAUZI BIN MD ISMAIL
Pendaftar

Tarikh Dikeluarkan : **09 DISEMBER 2022**

* No. Rujukan OR2212090124 ** PT22120124 ** RM 350 ** Tarikh pembayaran 09-12-2022 *

Pengesahan pendaftaran hendaklah disemak di laman web www.mbot.org.my



AKTA TEKNOLOGIS DAN JURUTEKNIK 2015

PERATURAN-PERATURAN TEKNOLOGIS DAN JURUTEKNIK (FI) 2017

No. Perakuan PT23050251



LEMBAGA TEKNOLOGIS MALAYSIA

PERAKUAN PENDAFTARAN SEBAGAI

TEKNOLOGIS PROFESIONAL

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama : **Ts. HO YONG KALOGIS**

No. Kad Pengenalan : **891217135697**

Alamat : **A-02-07, RIVERVALE CONDOMINIUM LORONG STUTONG 11D1, JALAN STUTONG 93350 KUCHING 93350 MALAYSIA**


Bidang Teknologi : **GREEN TECHNOLOGY (GT)**

Yang telah mematuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015 didaftarkan sebagai seorang **TEKNOLOGIS PROFESIONAL** tertakluk kepada syarat-syarat yang telah dinyatakan di bawah.

Syarat-syarat:

- I. Pendaftaran lulus mulai 30 MEI 2023;
- II. Memenuhi kehendak-kehendak Akta Teknologis dan Juruteknik 2015, membayar fi yang ditetapkan dalam Peraturan-Peraturan Teknologis dan Juruteknik (Fi) 2017 dan memenuhi kriteria yang ditentukan oleh Lembaga Teknologis Malaysia; dan
- III. Menggunakan gelaran singkatan "Ts." sebelum nama atau "P.Tech." dan kepakaran selepas nama.

Perakuan pendaftaran ini akan tamat tempoh pada : 29 MEI 2024


DATUK Ir. Ts. DR. SITI HAMISAH
BINTI TAPSIR
Presiden


DR. MD FAUZI BIN MD ISMAIL
Pendaftar



Tarikh Dikeluarkan : 30 MEI 2023

* No. Rujukan OR2305300251 ** PT23050251 ** RM 350 ** Tarikh pembayaran 30-05-2023 *

Pengesahan pendaftaran hendaklah disemak di laman web www.mbot.org.my

PROJECT REFERENCES

COMPLETE PROJECTS (YEAR 2013-2023)

S/N	Description	Objective	Client	Contract Sum (RM)
1	Proposed Double Storey Detached House W/ Basement Floor on Lot 3852, Section 64, KTL D, Foo Chow Road No.1, Kuching, Sarawak	Home Automation System	Kim Hin Industries Sdn. Bhd.	594,757.70
2	SMDS Rejuvenation Works At Bintulu, Sarawak 	AC Control Modification Works	Shell MDS, Bintulu	200,000.00
3	Train9 Oil Plant, Bintulu, Sarawak  PETRONAS	HVAC Control System	Petronas, Bintulu	300,000.00
4	Proposed Aquatic Centre At Sarawak Sports Complex At Petra Jaya, Kuching	Intensive Lighting Control System	Bumihua Sdn. Bhd.	60,000.00
5	Balok Jalan Ulu Layan Dari Rawatan Air Lubau Ke Nanga Tiga Dan Bair, Betong, Sarawak	GSM Telemetry System	Kementerian Kemajuan Luar Bandar Dan Wilayah	123,290.00
6	Proposed Sg. Samalaju Raw Water Intake & Associated Facilities	Pump Control System	JKR Sarawak	40,000.00
7	Flood Mitigation Project, Sibuan, Sarawak	Pump Control Upgrading Works	Hock Seng Lee Sdn. Bhd.	132,911.00
8	Pepper Lab Upgrading Works at Lembaga LADA, Kuching	Air-Cond Control System	Systemair Cycles Sdn. Bhd.	100,000.00

9	Proposed Sibu Sport Sites	Lighting Control System	Goldust Quest Sdn. Bhd.	95,000.00
10	Proposed Murum Resettlement Project Phase 1A, Bahagian Kapit, Sarawak. Package T6: Electrical Services	Electrical Services	Perkerjaan Piasau Konkerit Sdn. Bhd.	300,000.00
11	Proposed 11 Storey LCDA Office Building On Lot 2879, Block &, Muara Tebas Land District, At Isthmus Kuching, Sarawak. (Turnkey: CMS Land S/B)	Project Management - Electrical & ELV Service	Oersted Engineering Sdn. Bhd.	5,132,073.03
12	The Construction and Completion of the Bekalan Air Mukah, Bahagian Mukah, Sarawak (Phase 2 Package 2: Proposed Upgrading of Existing Water Treatment Plant and Associated Facilities)	SCADA & Telemetry Control System	Rising Star Industry Sdn. Bhd.	1,424,780.98
13	The Construction and Completion of the Bekalan Air Mukah, Bahagian Mukah, Sarawak (Phase 2 Package 2: Proposed Upgrading of Existing Tingkas Raw Water Intake Including Raw Water Pumping Main from Tingkas Intake to Penakub and Associated Facilities)	SCADA & Telemetry Control System	Rising Star Industry Sdn. Bhd.	624,340.00
14	The Construction And Completion of Proposed 2 Storey Detached House On Lot 2755, Block 226, KNLD Arang Road, Kuching, Sarawak.	Mechanical & Electrical Services	Level Up Construction Sdn. Bhd.	109,194.18
15	Proposed Redevelopment of Existing SEDC Lockup Shops & Petty Trader Stalls For 3-Storey Commercial Cum Food Court Complex on Lots 99, 674, 675-686, 804 & 1343 Block 10, MCLD, Off Jalan Melayu / Jalan Bendahara, Miri Division	Plumbing & Sanitary Services	Oersted Engineering Sdn. Bhd.	238,000.00

16	Proposed Site Investigation, Survey, Design, Supply, Delivery, Construction, Completion including Testing and Commissioning of Sungai Asap Water Supply, Bakun Bahagian Kapit, Sarawak.	Pump Control System & Electrical Services	Techkem Water Sdn. Bhd.	850,000.00
17	Proposed Shopping Centre Cum SOHO Complex, Bintulu, Sarawak. (The Spring)	HVAC Control System	Pansar Engineering Sdn. Bhd.	1,100,000.00
18	Proposed 4-Storey Apartment On Lot 11631, Section 65, KTLD (Parent O.T. 12995) And Lot 12469, Section 65, KTLD, Matang Land District (Parent O.T. 14330), At 4 th Mile, Jalan Matang, Kuching. (Pr1ma Premier) (Phase 24-26)	HT/LT Services	Lee Ling Construction & Development Sdn. Bhd.	1,323,713.21
19	Proposed EDM Control Panel Cable Laying Work on Lot 3839, Block 12, Muara Tebas Land District, Kuching, Sarawak for ILJIN MATERIALS Malaysia Sdn. Bhd.	Electrical Services	Iljin Materials Malaysia Sdn. Bhd.	740,000.00
20	Dissolution Instrumentation & HMI System Construction of Proposed 3-Storey Factory with Ancillary Buildings for Research, Design & Manufacture of Elecfoil	SCADA Control System	Iljin Materials Malaysia Sdn. Bhd.	2,090,000.00
21	Electrical Installation Works for Waste Water Treatment Plant System & DI Water Plant System for Iljin Material Malaysia Sdn. Bhd.	DI & Waste Water	Taerang NPL Sdn. Bhd.	460,000.00
22	Proposed Hotel at Bintulu Waterfront Development Area On Survey Lot 4279 (Part of Original Lots 3850, 3851 & 4277), Off Jalan Tanjung Batu, Bintulu Town District, Bintulu	Air-Cond Control & Electrical System	Pansar Engineering Services Sdn. Bhd.	300,000.00

23	Cadangan Pembinaan Bangunan Baru Blok Pentadbiran, Akademik Dan Pusat Sehenti, Kolej Matrikulasi Sarawak, Kuching. (Phase 2)	Air-Cond Services	Oersted Engineering Sdn. Bhd.	264,469.50
24	KOTA 2 Mini Hydro Project, Lawas, Sarawak	Electrical and ELV Services	PPK Sdn. Bhd.	2,600,000.00
25	Proposed Fish Meal Factory, Plot 4 & Part of Plot 5, Part of State Land, Block 11, Buan Land District, Tanjung Manis New Township, Mukah Division.	Mechanical & Electrical Services	Sibu Feedmills Sdn. Bhd.	676,326.88
26	Proposed 7-Storey KPJ Miri Specialist Hospital on Lot 8836, Block 11, Kuala Baram Land District, Off Tudan – Kuala Baram Link Road, Bandar Baru Permyjaya, Miri Sarawak.	Internal & External Electrical Services	Oersted Sdn. Bhd.	3,750,000.00
27	Proposed 7-Storey KPJ Miri Specialist Hospital on Lot 8836, Block 11, Kuala Baram Land District, Off Tudan – Kuala Baram Link Road, Bandar Baru Permyjaya, Miri Sarawak.	HVAC Control System	Jana Tanmia Resources Sdn. Bhd.	1,200,000.00
28	Project Tebingan Sungai Bandar Song Phase 2	Electrical Services	Telaga Bakti Sdn. Bhd.	163,035.00
29	Dissolution Instrumentation & HMI System Construction of Proposed 3-Storey Factory with Ancillary Buildings on Lot 3972, Block 12, Muara Tebas Land District, Kuching, Sarawak (Phase 2)	SCADA Control System	IMM Technology Sdn. Bhd.	2,090,000.00

30	EDM Installation of Proposed 3-Storey Factory with Ancillary Buildings on Lot 3972, Block 12, Muara Tebas Land District, Kuching, Sarawak (Phase 2)	Electrical Services	IMM Technology Sdn. Bhd	1,140,000.00
31	Phase 2 Wastewater and RO/DI Installation of Proposed 3-Storey Factory with Ancillary Buildings on Lot 3972, Block 12, Muara Tebas Land District, Kuching, Sarawak (Phase 2)	DI & Waste Water	Taerang NPL Sdn. Bhd.	370,000.00
32	Project Supervision & Management, PLC, Programming and Testing & Commissioning at DBKU, Jalan Depo, Kuching, Sarawak.	Building Automation System	Precious Credence Sdn. Bhd.	267,686.50
33	Proposed Renovation Works to Canteen at Malaysian Phosphate Additives (Sarawak) Sdn. Bhd.	Mechanical & Electrical Services	Bintulu Tiong Engineering Sdn. Bhd.	247,860.00
34	Proposed Fertiliser Plant on Lot 4074, Block 26, Kemena Land District, Kidurong Industrial Area (KIA), Bintulu	Electrical Services	Bintulu Tiong Engineering Sdn. Bhd.	75,000.00
35	Proposed State Government Office Complex (Phase 1) for Serian New Township on Part of Lot 1238, Serian Town District at Serian Tebakang Road, Serian, Sarawak	Building Management System	Ting's M & E Services Sdn. Bhd.	1,390,000.00
36	Proposed LNG ISO Tanks Filling Facility on Lot 15, Block 20, Kemena Land District, Kidurong Industrial Area, Bintulu.	Electrical & Instrumentation Works	Bintulu Tiong Engineering Sdn. Bhd.	2,800,000.00
37	Proposed Renovation Works and Other Associated Works to Administration Building and Laboratory at Malaysian Phosphate Additives (Sarawak) Sdn. Bhd. Samalaju Plant	Mechanical & Electrical Works	Bintulu Tiong Engineering Sdn. Bhd.	1,562,473.78

38	Purchase & Installation Contract for the [Dissolution Instrumentation & HMI System Construction] Of Proposed 3-Storey Factory with Ancillary Buildings on Lot 3840, Block 12, Muara Tebas Land District, Kuching, Sarawak (Phase 3&4) For IMM Technology Sdn. Bhd.	SCADA Control System	IMM Technology Sdn. Bhd.	2,770,000.00
39	For the Phase 3&4 Wastewater and RO/DI System Electrical Work of Proposed 3-Storey Factory with Ancillary Building on Lot 3840, Block 12, Muara Tebas Land District, Kuching, Sarawak (Phase 3&4) for IMM Technology Sdn. Bhd.	Electrical Services	Taerang NPL Sdn. Bhd.	440,000.00
40	Cable Construction about EDM Operation of the Proposed 3-Storey Factory Cable Construction about EDM Operation of the Proposed 3-Storey Factory with Ancillary Buildings on Lot 3840, Block 12, Muara Tebas Land District, Kuching, Sarawak (Phase 3&4)	Electrical Services	IMM Technology Sdn. Bhd.	1,690,000.00

ONGOING PROJECTS (YEAR 2021-2024)

S/N	Description	Objective	Client	Contract Sum (RM)
1	Design, Construction, Completion, Testing & Commissioning of Proposed Package NR1 (Northern Region) for Sarawak Water Supply Grid Programme – Stressed Areas	Mechanical & Electrical Services	Mirecont Sdn. Bhd.	3,400,000.00
2	Menaiktaraf Sistem Penghawa Dingin Berpusat dan Split Serta Peralatan-Peralatan yang Berkaitan di Jabatan Kimia Malaysia Negeri (JKMN) Sarawak	Air-Conditioning Management System	Pansar Engineering Services Sdn. Bhd.	310,000.00
4	Projek Bekalan Air Luar Bandar (BALB) Kawasan Batu Lintang, Bahagian Sri Aman	Electrical and Instrumentation Works	Teras Sari Resources Sdn. Bhd.	801,192.30
5	Projek Bekalan Air Luar Bandar (BALB) Kawasan Lubok Antu Fasa II, Sarawak	Mechanical & Electrical Services	SET Construction Sdn. Bhd.	11,700,000.00
6	Office/ Quarter Block on Lot 230, Jikang Land District, Julau Feeder Road, Julau, Sarikei.	Mechanical & Electrical Services	Telaga Bakti Sdn. Bhd.	205,000.00
7	Dewan Serbaguna Kampung Usahajaya Baru on Lot 1340, Block 9, Seduan Land District, Lorong Sentosa Utara 8, Sibu, Sarawak.	Mechanical & Electrical Services	Telaga Bakti Sdn. Bhd.	940,000.00
8	Sekolah Daif di Negeri Sarawak Menggunakan Peruntukan RM1 Bilion (Fasa 1) di SK Haji Junid, Saratok.	Mechanical & Electrical Services	Telaga Bakti Sdn. Bhd.	550,000.00

9	Package NR1 (Northern Region) for Sarawak Water Supply Grid Programme – Stressed Areas (HTLT Services)	HTLT Services	Mirecont Sdn. Bhd.	340,000.00
10	Package NR1 (Northern Region) for Sarawak Water Supply Grid Programme – Stressed Areas (HTLT Services) Work Order No. 1 - Proposed Construction of Elevated/ Ground Reservoir to Supply Treated Water from Sebauh Junction to Bakun Junction, Bintulu Division	HTLT Services	Mirecont Sdn. Bhd.	410,551.00
11	Package NR1 (Northern Region) for Sarawak Water Supply Grid Programme – Stressed Areas (HTLT Services) Work Order no. 2 - Proposed Construction of Distribution Mains from Ulu Sebauh Elevated Tank to Bintulu Airport Booster Station including Upgrading of Pumping System at Booster Station, Construction of 1.5ML Balancing Tank at Tatau-Bintulu Pan Borneo Road, Bintulu Division	HTLT Services	Mirecont Sdn. Bhd.	200,000.00
12	Design, Construction, Completion, Testing and Commissioning of Proposed Package CR1 (Central Region) For Sarawak Water Supply Grid Programme - Stressed Area	SCADA & Telemetry Services	Enforture Sdn. Bhd.	697,890.00
13	The supply of Materials and Labour for High Tension/ Low Tension Works. Work Order no. 1 - Proposed Construction of Elevated/ Ground Reservoir to Supply Treated Water from Sebauh Junction to Bakun Junction, Bintulu Division	HTLT Services	Mirecont Sdn. Bhd.	164,000.00

14	Proposed Integrated Administrative Center (IAC) Sarikei on Survey Lot 755, (Part of Parent Lots 1826 and 1838), Block 36, Sarikei Land District, Sarikei Division, Sarawak.	BMS Services	Tropical Rhythm Sdn. Bhd.	2,500,000.00
15	Proposed Development on Lot 2532, Kemena Land District, Bintulu Sarawak. Phase 1: Proposed Restoration Works to the Existing Worker Camp	Mechanical & Electrical Services	Bintulu Tiong Engineering Sdn. Bhd.	1,609,847.00
16	Proposed Renovation Works for Sunway Traditional and Complementary Medicine (TCM)	Electrical Services	System Aircycle Engineering Sdn. Bhd.	128,350.00
17	The Supply of Labour and Material for High Tension/ Low Tension Works at Samarahan High Level Tank Work Order No. 2 Proposed Construction of Distribution Mains from Ulu Sebauh Elevated Tank to Bintulu Airport Booster Station including Upgrading of Pumping System at Booster Station, Construction of 1.5ML Balancing Tank at Tatau-Bintulu Pan Borneo Road, Bintulu Division	HTLT Services	Mirecont Sdn. Bhd.	122,000.00
18	Proposed Enhancement Works at Bintulu Paragon East Wing Street Mall for Commercial Block Building on Parent Lot 4532, Bintulu Town District, Bintulu Old Airport, Bintulu, Sarawak Package C: M&E Works for New Travellator	Mechanical & Electrical Services	Bintulu Tiong Engineering Sdn. Bhd.	39,041.00
19	Proposed Renovation Works at W8, Foreign Workers Lodge, Bintulu	Mechanical & Electrical Services	Bintulu Tiong Engineering Sdn. Bhd.	215,416.00

20	Cadangan Pembinaan Semula Sekolah Daif di Negeri Sarawak Menggunakan Peruntukan RM 1 Bilion (FASA 1) – SK Kg. Urai, Kapit.	Electrical Services	Gateway Marketing Sdn. Bhd.	490,159.00
21	Cadangan Pembangunan Semula Sekolah Daif di Negeri Sarawak Menggunakan Peruntukan RM 1 Bilion (FASA 1) – Pakej 4: SK Ulu Pedanum, SK Ng Serau, SK Nanga Entaih & SK Ulu Binatang, Maradong.	Electrical Services	Gateway Marketing Sdn. Bhd.	911,277.05
22	Purchase & Installation Contract for the [SCADA Monitoring Construction of Phase 5&6] Of Proposed 3-Storey Factory with Ancillary Buildings on Lot 3840, Block 12, Muara Tebas Land District, Kuching, Sarawak (Phase 5&6) For IMM Technology Sdn. Bhd.	SCADA Control System	IMM Technology Sdn. Bhd.	3,000,000.00
23	Cable Construction about EDM Operation of the Proposed 3-Storey Factory Cable Construction about EDM Operation of the Proposed 3-Storey Factory with Ancillary Buildings on Lot 3840, Block 12, Muara Tebas Land District, Kuching, Sarawak (Phase 5&6) For IMM Technology Sdn. Bhd.	Electrical Services	IMM Technology Sdn. Bhd.	1,684,210.00
24	Proposed Elevated R.C. Water Tank (One No. of Elevated Water Tank and One No. of Suction Tank) on Plot 1 of New Lot 3180, Block 13, Kuala Baram Land District.	Mechanical & Electrical Services	Naim Engineering Sdn. Bhd.	1,037,770.00
25	Electrical Installation Works at SKN at Kota Kinabalu	Electrical Services	Taerang NPL Sdn. Bhd.	190,000.00

26	For the Phase 5&6 Wastewater and RO/DI System Electrical Work of Proposed 3-Storey Factory with Ancillary Building on Lot 3840, Block 12, Muara Tebas Land District, Kuching, Sarawak (Phase 5&6) for IMM Technology Sdn. Bhd.	Electrical Services	Taerang NPL Sdn. Bhd.	494,979.36
27	Proposed Wisma Premier Sarawak and Premier Sarawak Residence	Electrical Services	Ibraco Construction Sdn Bhd	18,650,000.00
28	Packing Machine for ATLAS Edible Ice Sibu	Electrical Services	ATLAS Edible Ice (East Malaysia) Sdn Bhd	1,050,000.00

PROJECT REFERENCES (TRADING)

S/N	Description	Products HT LT Transformer	Year	Brand
1	The Isthmus 33/11kV Substation	20/25MVA 33/11kV Power Transformer	2016-2017	Shihlin
2	Balingian SEB Operator Village 11/0.433kV Substation	1MVA 11/0.433kV Distribution Transformer	2016-2017	Shihlin
3	Pr1ma Matang 11/0.433kV Substation	1MVA 11/0.433kV Distribution Transformer	2016-2017	Shihlin
4	UPM 33/11kV Substation, Bintulu	20/25MVA 33/11kV Power Transformer	2018	Shihlin
5	Samalaju Central 33/11kV Substation, Bintulu	20/25MVA 33/11kV Power Transformer	2018	Shihlin
6	Sebauh 33/11kV Substation, Bintulu	10/15MVA 33/11kV Power Transformer	2019	Shihlin
7	Darul Hana 33/11kV Substation, Kuching	20/25MVA 33/11kV Power Transformer	2019	Shihlin

8	Step Up Transformer for Kilang Sawit Bijat to Main Housing, Betong	300VA Power Transformer	2019	Shihlin
9	Medan Raya 33/11kV Substation, Kuching	20/25MVA 33/11kV Power Transformer	2020	Shihlin
10	Senadin 33/11kV Substation, Miri	20/25MVA 33/11kV Power Transformer	2020	Shihlin
11	Sangan 33/11kV Substation, Bintulu	2500KVA 33/11kV Power Transformer	2020	Shihlin
12	Ulu Sungai Merah Substation, Sibul	20/25MVA 33/11kV Power Transformer	2021	Shihlin
13	Asajaya Substation, Kota Samarahan	10/15MVA 33/11kV Power Transformer	2021	Shihlin
14	CMS Mambong Plant, Kuching	1000KVA Oil Immersed Transformer	2021	Shihlin
15	Limbang Power Station	1500KVA Step-Up Transformer	2022	Shihlin

16	Kemuyang 33/11kV Substation	10/15MVA 33/11kV Power Transformer	2022	Shihlin
15	Long Lama 5MVA 33/11kV Substation	5MVA 33/11kV Power Transformer	2022	Shihlin

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