SW CONSULTANTS & ASSOCIATES SDN. BHD. (201047-K)
Consulting Civil Structural Mechanical Engineers
7, Amoy Lane, 10050 Penang.
Tel: +604 - 227 4307 / +604 - 227 6466
Fax: +604 - 227 4307
E-mail: swcsb7@gmail.com

Company Profile

Dated April, 2017

SW CONSULTANTS & ASSOCIATES SDN BHD

Company No: 201047-K

CONSULTING CIVIL & STRUCTURAL ENGINEERS

Company Profile

The Company was first incorporated in the year 1990 under the name of Lim Thien Wat & Associates Sdn. Bhd. with the principal objective of providing civil, structural and mechanical engineering consultancy services. In the year 1993, the name of the Company was changed to SW Consultants & Associates Sdn. Bhd.

The firm comprises of a team of professionals and staff who are well trained in the field of design, management and project implementation. The vast and varied practical experiences of the respective individuals have actually provided a comprehensive coverage of most of the areas of designing and implementation works. Therefore, even though the company might not be around longer than others, it and its team has managed to assume recognition in its profession.

The board of directors, staff and associates of the company consists of a strong team of high calibre personnel with outstanding academic background and extensive experience in overseas as well as local projects. They are well established in the local market with relevant degree and professional licenses recognized by the Board of Engineers

MAIN OFFICE :
No. 7, Amoy Lane
10050 PENANG

TEL : 04-2276466
FAX : 04-2274307
E-mail: swcsb7@gmail.com

Scope Of Civil & Structural Engineering Works And Project Advisory Services

- To confirm and develop project objectives base on the needs of the client, in collaboration with the architect and other consultants.

- To attend to planning and designing works as per clients specifications

- To prepare working drawings, specifications and bills of quantity for proper implementation of the works

- Submission of engineering plans to the respective authorities for their consideration and approval

- To provide periodic supervision during implementation and maintenance period so that implementation works can be carried out smoothly

- To provide project management services as lead consultant so that all construction works can be completed as scheduled

SW CONSULTANTS & ASSOCIATES Sdn. Bhd.
(Company No: 201047 – K)
Consulting Civil Structural Mechanical Engineers

Company Registration

- **Borang 13**
- **BEM Registration**

Certified True Copy

NG LEE SEN (MIA 3446)
Secretary

09 MAR 2017

PEJABAT PENDAFTAR SYARIKAT
(Registry of Companies)
MALAYSIA

BORANG 13

AKTA SYARIKAT 1965

[Seksyen 23 (2)]

Certified True Copy of the Original

YEOH TAI CHUAN
ADVOCATE & SOLICITOR
PENANG
(BC / Y / 302)

13 APR 2017

No. Syarikat

201047	K

PERAKUAN PEMERBADANAN ATAS PERTUKARAN NAMA SYARIKAT

Ini adalah untuk memperakui bahawa
LIM THIEN WAT & ASSOCIATES SDN. BHD.

yang telah diperbadankan di bawah Akta Syarikat 1965, pada 17 haribulan Julai , 1990, sebagai sebuah syarikat persendirian, pada 15 haribulan Oktober , 1993, telah menukar namanya kepada

SW CONSULTANTS & ASSOCIATES SDN. BHD.

dan bahawa syarikat ini adalah sebuah syarikat persendirian, dan adalah sebuah syarikat berhad menurut syer.

Diberi di bawah tandatangan dan meterai saya di Pulau Pinang pada 15 haribulan Oktober , 19 93.

(NAJIB BIN ABU SAMAH)

Pen. *Pendaftar Syarikat Malaysia*

[Borang ini diterjemahkan oleh Peguam Negara. Malaysia. menurut Pemberitahu Undangan No 12 tahun 1964; PN (SBK) 23 Pt. 11, P S 7/81 Jld 2]

(Borang F)

AKTA PENDAFTARAN JURUTERA 1967
PERATURAN-PERATURAN PENDAFTARAN JURUTERA 1990
(PERATURAN 35)

No. Perakuan: **1791-1200-BC-155**

LEMBAGA JURUTERA MALAYSIA

PERAKUAN PENDAFTARAN SEBAGAI AMALAN JURUTERA PERUNDING

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama: **Pertubuhan Perbadanan**
SW CONSULTANTS & ASSOCIATES SDN. BHD.

Alamat: **7 LORONG AMOY**
10050 PENANG

Cawangan Kejuruteraan: **** CIVIL, MECHANICAL ****

yang telah mematuhi kehendak-kehendak Akta Pendaftaran Jurutera 1967 dan telah membayar fee pendaftaran didaftarkan sebagai suatu AMALAN JURUTERA PERUNDING dalam cawangan kejuruteraan yang dinyatakan di atas tertakluk kepada syarat-syarat yang dinyatakan di bawah.

Syarat-syarat:

Certified True Copy
of the Original
YEOH TAI CHUAN
ADVOCATE & SOLICITOR
PENANG
(BC / Y / 302)

Perakuan pendaftaran ini akan habis tempoh pada **31 DISEMBER 2017**

13 APR 2017

(DATUK Ir. ADANAN BIN MOHAMED HUSSAIN)
Yang Dipertua

(Ir. HIZAMUL-DIN BIN AB. RAHMAN)
Pendaftar

Tarikh dikeluarkan:
03 DECEMBER 2016

*** No. Resit 291815 ** MBB 491354 ** RM1,000.00 ** Tarikh bayaran:03-12-2016***
[RM1,000.00(Renewal Fee)]
Pengesahan pendaftaran hendaklah disemak dilaman web www.bem.org.my

SW CONSULTANTS & ASSOCIATES Sdn. Bhd.
(Company No: 201047 – K)
Consulting Civil Structural Mechanical Engineers

Board of Directors

- **Ir. Lim Thien Wat**
- **Ir. Lim Thuan Swee**

LIST OF PROJECTS UNDERTAKEN BY THE COMPANY IN THE PAST AND PRESENT:

Potable Water Treatment Plants:

1. Teluk Bahang WTP for PBA, Penang (6.82 MLD)

2. Bukit Panchor WTP for PBA Penang (11.4 MLD)

3. Timah Tasoh WTP for JBA, Perlis(18 MLD)

4. Sg. Titi WTP for JBA,Negeri Sembilan(10 MLD)

5. Amata City WTP Ph. 1 & 2 for Amata Group, Bangkok (20MLD)

6. Amata Nakorn WTP(Ph 1 & 2) for Amata Group, Bangkok(20MLD)

7. Yichun City WTP for Pinang Water Ltd., Jiang Xi, China(50MLD)

8. Endau WTP for Syarikat Air Johor, Johor (10MLD)

9. New Mersing WTP for Syarikat Air Johor, Johor (10MLD)

10.Taman Negara WTP for JBA Pahang, Endau-Rompin (0.6MLD)

11.WTP for Harta Lega Sdn.Bhd. 14MLD, Batang Berjuntai, Selangor

12. WTP for JBA Pahang at Endau-Rompin

13. WTP for Kuching Water Board Module 8 (100MLD)

14. WTP for Haldia Water Authority, Kolkata, India (113MLD)

15. WTP for Syarikat Air Darul Aman Sdn.Bhd., Kuala Nerang, Kedah (4.5MGD)

16. WTP for Air Sarawak, Seri Aman, Sarawak, Malaysia (1.5MGD)

17. WTP at Kuala Nerang for Syarikat Air Darul Aman (SADA) (2.5 MGD)

18. WTP for Air Sarawak, Machang, Sarawak, Malaysia (1.5MGD)

20. WTP for Sibu Water Board, Tg. Manis, Sarawak (30/60MLD)

21. WTP for Harta Lega NGC, Sepang, Selangor (42MLD)

22. WTP at Sg.Asap, Sarawak for Syrikat Air Sarawak, Malaysia (5/10MLD)

Waste Water Treatment Plants:

1. WWTP for Union Paper, Penang
2. WWTP for Union Paper, Pahang

3. WWTP for British American Tobacco, Malaysia, Selangor
4. WWTP for Seagate Malaysia, Penang

5. WWTP for Baxter Malaysia, Penang
6. WWTP for Kajang Paper Mills, Kajang Selangor

7. WWTP for Allegiance Malaysia, Chomburi Thailand
8. WWTP for Elna Sonic, Prai Penang

9. WWTP for Coal Storage Yard, Manjung Power Station for Koch transporttechnik GmbH
10. WTP for Guanzhou Paper Industries, Guanzhou China

11. WWTP for Alliance Rubber Products, Nibong Tebal, Penang
12. WWTP for Harta Lega Sdn. Bhd. Ph.1 & 2, Batang Berjuntai, Selangor

13. WWTP for Changdong Industrial Park, Nanchang, China (100MLD)
14. Amata Nakorn WWTP with R/O reclaimed water for Amata Quality Water, Bangkok, Thailand

15. WWTP (60M3/day) for Petronas Carigali Sdn. Bhd., Kerteh, Trengganu, Malaysia
16. WWTP Ph.2 (480m3/hr) for Harta Lega Sdn.Bhd., Batang Berjuntai, Selangor

17. WWTP (30MLD) for Xiao Lan Industrial Park, Nanchang, China
18. WWTP (50MLD) for Xin Xiang Industrial Park, Henan, China

19. Sludge Treatment Plant for Gerisek Water Treatment Plant, Johor, Malaysia
20. WWTP for Lynas Malaysia Sdn. Bhd., Gebeng Industrian Park, Kuantan, Pahang, Malaysia.

21. Upgrading to WWTP for Alliance Rubber Products Sdn.Bhd., N.Tebal, Penang, Malaysia
22. Upgrading to WWTP for Harta Lega Bhd.(Plant 3 & 4), Batang Berjuntai, Selangor, M'sia

23. Upgrading to WWTP for Harta Lega Bhd. (Plant 6), Batang Berjuntai, Selangor, M'sia.
24. Upgrading to STP for IWK at Taman Anggerik, Johor, Malaysia

25. WWTP for Petronas SAMUR project, Sepitang, Sabah (400m3/day)
26. WWTP for Harta Lega NGC, Sepang, Selanor (480M3/hr)

27. WWTP for Amata City, Bangkok, Thailand (10MLD)
28. Sewerage lifting station for Indah Water Konsortium, Miri, Sarawak
29. 1200 PE STP for housing estate, Balik Pulau, Penang, Malaysia

Compositing Plant:

1. Composting Plant, solid waste & POME disposal for Toupos Palm Oil Mill Sdn.Bhd., Sabah
2. Composting Plant, solid waste & POME disposal with biogas production for P.T. Benua Puhun P.O.M., Indonesia

Palm Oil Mills (P.O.M.):

1. 10t FFB/hr Topaz Emas P.O.M, Perak
2. 60t FFB/hr Tanjung Panjang P.O.M, Sandakan, Sabah

3. 60t FFB/hr Global Enterprise P.O.M, Lahat Datu, Sabah
4. 60t FFB/hr Arah Kawasan P.O.M., Selama, Perak

5. 45t FFB/hr RH Lundu P.O.M., Lundu Sarawak for Rimbunan Hijau Bhd.
6. 60t FFB/hr Gedung Plantations P.O.M., Serian, Sarawak

7. 60 t FFB/hr Tamaco P.O.M., Lahat Datu, Sabah
8. 5/10 t FFB/hr Mong Reathy P.O.M, Kampung Som, Cambodia

9. 40t FFB/hr Asia Palm Industries, Krabi, Thailand
10.60t FFB/hr Ta Chang P.O.M, Thailand

11.60t FFB/hr Wealth Houses P.O.M. for Jaya Tiasa Bhd., Pulau Bruit, Sarawak
12.Extension to 120t FFB/hr P.O.M for Yuzana, Myanmar

13.90t FFB/hr P.O.M for PT Tri Bakti Sarimas, Pekan Baru, Indonesia.
14.150 t FFB/hr RH Miri P.O.M., Miri, Sarawak for Rimbunan Hijau Bhd.

15.90 t FFB/hr P.O.M. for Southern Palm, Surathani, Thailand
16.90 t FFB/hr P.O.M. for Argo-SPO Group, Surathani, Thailang

17.60t FFB/hr Boke P.O.M for Yuzana Group, Myammar
18. 690t FFB/hr P.O.M for PT Fairco Agro Mandiri at Sengeta, Kalimantan Timor, Indonesia

19. 45t FFB/hr P.O.M for PT Gunung Pelawan Lestari at Bangka, Bangka Belitung, Indonesia
20.60t FFB/hr P.O.M for DD Palm Oil Mill Sdn.Bhd., Bintulu, Sarawak, Malaysia

21. 120T FFB/hr.P.O.M. for Rimbunan Hijau at Balingian, Sarawak
22 120T FFB/hr P.O.M. for Salcra at Labok Antu, Sarawak

23. 40T FFB/hr Toupos P.O.M. at Ranau, Sabah
24. 45/60T FFB/hr Tuing P.O.M. for P.T. Gunung Pelawan Lestari, Bangka-Belitung, Indonesia

26. 45/60T FFB/hr Bukit Kempah P.O.M., Trengganu, Malaysia
25. 60/90T FFB/hr Tamin P.O.M. at Selangau, Sabah for Kwantas Bhd.

Palm Kernel Crushing Mills:

1. RH Selangau Kernel Mill for Rimbunan Hijau Group (300T/day)

2. Tamaco Kernel Mill for Tamaco Plantation Sdn.Bhd. (600T/day)

Residential Building

1. 25 acres development of Taman Lone Pine, Paya Terubong, Penang comprising 13 blocks (1450 units) of low & medium rise residential, commercial & club house buildings (Yr.:1990 - 2001).
Client: Lone Pine Development Sdn.Bhd. (Tel:04-8294266)
Architect: Akitek Mega (Tel: 04-2267615)
M+E Consultant: SG Wong Perunding

2. 2 blocks of LMC Apartment – 811 units, Paya Terubong, Penang (Yr.:1999)
Client: MBSB Development Sdn. Bhd.(03-27101237)
Architect: RSP Achitects Sdn. Bhd. (Tel: 03-26923366)
M+E Consultant: Perunding Pintar Juara

3. MBSB Semi Dees, Paya Terubong, Penang – 48 units of double storey semi-detached houses (Yr.:2000)
Client: MBSB Development Sdn. Bhd. (03-27101237)
Architect: Advance Design Management Sdn. Bhd. (Tel: 04-2270318)
M+E Consultant: Perunding Pintar Juara

4. MBSB Teluk Bahang, Penang – Proposed bangalows development Yr.: 1999)
Client: MBSB Development Sdn. Bhd. (03-27101237)
Architect: RSP Architects Sdn. Bhd. (Tel:03-26923366)
M+E Consultant: Perunding Pintar Juara

5. MBSB Teluk Kumbar, Penang – 4 blocks of medium cost condominium (Yr.:2000)
Client: MBSB Development Sdn. Bhd. (03-27101237)
Architect: KH Tan Architect (Tel: 04-2277348)
M+E Consultant: Perunding Pintar Juara

6. Luxurious bungalow at Jalan Oldham, Penang, Tanjung Bungah, Penang (2001)
Client: En. Ahmad Tadjuddin Bin Abdul Carrim
Architect: LSB Architect (Tel: 04-2272488)
M+E Consultant: TN Consultant

7. Luxurious bungalow at Jalan Cheah Seng Khim, Tanjung Bungah, Penang (Yr.:2002)
Client: Dato' Waris Bin Abdul Carrim
Architect: LSB Architect (Tel: 04-2272488)
M+E Consultant: TN Consultant

8. Luxurious bungalow at Lorong Gajah, Tanjung Tokong, Penang (Yr.:2004)
Client: Dr. Yeoh San Beng
Architect: LSB Architect (Tel:04-2272488)
M+E Consultant TN Consultant

9. Luxurious bungalow at Persiaran Codrington, Bandar Georgetown, Penang (Year: 2004)
   Client: Dr. Tan Chiang Soo & Puan Sehu Kay
   Architect: KL Wong Architects (Tel: 04-2270313)
   M+E Consultant: SG Wong Perunding

10. Luxurious bungalow at Changkat Minden Jalan 15, Bandar Gelugor, Penang (Yr.:2009)
   Client: Dr. Noor Aziah Bt. Abdul Aziz & Dr. Zainol Bin Che Mamat
   Architect: KL Wong Architect (Tel: 04-2270313)
   M+E Consultant: SG Wong Perunding

11. 65 acres mixed development of 3 storey shop-offices, and medium-rise low-medium cost (LMC) & medium cost apartments, Butterworth, Penang (Yr.:2002 - present)
   Client: Woolley Development Sdn.Bhd. (04-3235199)
   Architect: Architect Fang & Associates (Tel:
   M+E Consultant Perunding HC Toh

12. 32 acres mixed development of semi-detached houses, luxurious highrise service apartment and commercial building, Batu Ferringhi, Penang (Yr.:2003)
   Client: Orientside Development Sdn.Bhd. (06-7648607)
   Architect: KL Wong Architect (Tel: Tel: 04-2270313)
   M+E Consultant: GH Consultant (04-2611801)

13. Proposed new 3 storey building for Thai Consulate, Penang, Malaysia (Yr.:2008)
   Client: Thai consulate, Penang
   Architect: Architect East Design
   M+E Consultant: SG Wong Perunding

14. Proposed 2 blocks 14 stories luxurious condominium and villas (Yr:2009)
   Client: Malaysian Resources Corporation Bhd.
   Architect: Alam Bina in conjunction with Cox Architects & Planners, Australia
   M+E: Li-Zainal Sdn.Bhd.

Hotels

1. Heritage Hotel Batu Ferringhi, Penang – Proposed 184 nos. all suites boutique hotel development (Yr.:1999)
   Client: Heritage Grand Vacation Club Sdn.Bhd.
   Architect: KH Tan Architect (Tel: 04-2277348)
   M+E Consultant: Perunding HC Toh

2. Harbour View Hotel – Proposed 220 rooms (22 stories) hotel at Jalan Bagan Luar, Butterworth, Penang, Malaysia (Yr.:2006)
   Client: Syrikat Lapangan Perumahan Sdn. Bhd. (04-2614488)
   Architect: Akitek Mega (Tel: 04-2267615)
   M+E Consultant: AG Consult (Tel: 04-2812278)

3. Nusa Hotel: Proposed 164 rooms hotel at Jalan Raja Uda, Butterworth, Penang (Yr.:2012)
   Client: Woolley Development Sdn.Bhd.
   Architect: RSP Achitects & Planners
   M+E Consultant: I-Consultant

Industrial Building

1. Steel fabrication factory in Tasek, Penang for Univessel Engineering Sdn.Bhd.- Phase 1,2 & 3(Yr.:1993-2009)

2. Electrical factory in Juru, Penang for Saparu Holdings Sdn.Bhd.(1995)

3. Warehouse in Bayan Lepas ,Penang for Messrs Binariang Telecommunication Bhd.(1996)

4. Rubber gloves factory (phase 3) for Alliance Rubber Products Sdn.Bhd.(2004)

5. Workshop, store & hostel building for Alliance Rubber Products Sdn.Bhd.(2006)

6. Factory for Camphill Cleantech Sdn. Bhd. at Kuala Ketil, Kedah (2010)

7. Extension to factory for Camphill Rubbertech Sdn.Bhd. at Kuala Ketil, Kedah (2011)

8. Bitumen filling plant in Butterworth, Penang for Innate Synergy Sdn.Bhd.(2012)

9. Printing factory for Sun Printer Sdn.Bhd., Penang (2013)

10. Warehouse in Bukit Panchor, Penang for Alliance Rubber Product Sdn.Bhd. (2014)

Institution:

1. Kek Lok Si Temple – Kuan Yin Pavilion Structural Steel Roof comprising 1,500 tonnes of steel box girder and trusses (Yr.:2009)

Infrastructure:

1. Installation of BTS for Binariang Telecommunication Sdn.Bhd. in northern region

2. Design of telecommunication towers for Binariang Telecommunication Sdn. Bhd. in northern region.

3. Installation of bitumen transfer piping & storage tanks in Butterwoth loose cargo terminal, Penang for Innate Synergy Sdn.Bhd.

Hospital

1. Pantai Medical Centre radio therapy ward.

CURRICULUM VITAE

Name : Lim Thien Wat

Education : University of Manchester (1977 – 1980)
B Sc.(Hons) in Civil Engineering

Membership : Professional Engineer (Malaysia), MIEM.

Nationality : Malaysian
Age : 60 years

Experience : 37 years of working experience in civil and structural engineering work
Type of design and supervision works includes -

- highway bridges
- highway geometric design
- heavy civil and structural works for power station
- Potable water treatment plants for industries and municipal
- Waste water treatment plants for industries and municipal
- residential & industrial buildings
- water supply and sanitation works for residential projects
- low, medium and high rise buildings
- water retaining structures

The lists of projects involved in are:

- Highways
  1. New Klang Valley Expressway Route 1 & 2
     Penang Traffic Dispersal Scheme Phase 1 & 2
  2. East-west highway – Eastern & western segment
  3. Kuala Krai – Gua Musang Trunk Road
  4. Sabah Rural Trunk Road

- Power Station
  1. Port Klang Power Station Phase 1 & 2
  2. Manjung Power Station

- Residential Building
  1. 25 acres development of Taman Lone Pine, Paya Terubong, Penang for Messrs Lone Pine Development Sdn.Bhd. comprising 13 blocks (1450 units) of low & medium rise residential, commercial & club house buildings.
  2. MBSB Paya Terubong, Penang – 48 units of double storey semi-dees, MBSB Teluk Bahang, Penang – Proposed bangalows development, MBSB Teluk Kumbar, Penang – 4 blocks of medium cost condominium, MBSB Batu Ferringhi, Penang – Proposed boutique hotel development, for Messrs MBSB Development Sdn.Bhd.

3. 65 acres mixed development of 3 storey shop-offices, and medium-rise low-medium cost (LMC) & medium cost apartments for Woolley Development Sdn. Bhd., Butterworth, Penang
4. 32 acres mixed development of semi-detached houses, highrise service apartment and commercial building for Orientside Development Sdn. Bhd. at Batu Ferringhi, Penang
5. New 3 storey building for Thai Consulate, Penang, Malaysia

6. 165 unit high end condominium for MRCB Sentral Properties Sdn. Bhd

- Industrial Building
  1. Steel fabrication factory in Tasek, Penang for Univessel Engineering Sdn.Bhd.- phase 1,2 & 3
  2. Electrical factory in Juru, Penang for Saparu Holdings Sdn.Bhd.
  3. Warehouse in Bayan Lepas ,Penang for Messrs Binariang Telecommunication Bhd.
  4. Rubber gloves factory (phase 3) for Alliance Rubber Products Sdn.Bhd.
  5. Workshop, store & hostel building for Alliance Rubber Products Sdn.Bhd.

- Potable Water Treatment Plants
  1. Teluk Bahang WTP for PBA, Penang (6.82 MLD)
  2. Bukit Panchor WTP for PBA Penang (11.4 MLD)
  3. Timah Tasoh WTP for JBA, Perlis(18 MLD)
  4. Sg. Titi WTP for JBA,Negeri Sembilan(10 MLD)
  5. Amata City WTP Ph. 1 & 2 for Amata Group, Bangkok (20MLD)
  6. Amata Nakorn WTP (Ph 1 & 2) for Amata Group, Bangkok(20MLD)
  7. Yichun City WTP for Pinang Water Ltd., Jiang Xi, China(50MLD)
  8. Endau WTP for Syarikat Air Johor, Johor (10MLD)
  9. New Mersing WTP for Syarikat Air Johor, Johor (10MLD)
  10. Taman Negara WTP for JBA Pahang, Endau-Rompin (0.6MLD)
  11. WTP for Harta Lega Sdn.Bhd. 14MLD, Batang Berjuntai, Selangor
  12. WTP for JBA Pahang at Endau-Rompin
  13. WTP for Kuching Water Board Module 8 (100MLD)
  14. WTP for Haldia Water Authority, Kolkata, India (113MLD)
  15. WTP for SADA, Kuala Nerang, Kedah, Malaysia (4.5MGD)
  16. WTP for Air Sarawak, Seri Aman, Sarawak, Malaysia (1.5MGD)

- Waste Water Treatment Plants

1. WWTP for Union Paper, Penang
2. WWTP for Union Paper, Pahang
3. WWTP for British American Tobacco, Malaysia, Selangor
4. WWTP for Seagate Malaysia, Penang
5. WWTP for Baxter Malaysia, Penang
6. WWTP for Kajang Paper Mills, Kajang Selangor
7. WWTP for Allegiance Malaysia, Chomburi Thailand
8. WWTP for Elna Sonic, Prai Penang
9. WWTP for Coal Storage Yard, Manjung Power Station for Koch transporttechnik GmbH
10. WTP for Guanzhou Paper Industries, Guanzhou China
11. WWTP for Alliance Rubber Products, Nibong Tebal, Penang
12. WWTP for Harta Lega Sdn. Bhd., Batang Berjuntai, Selangor
13. WWTP for Changdong Industrial Park, Nanchang, China (100MLD)
14. Amata Nakorn WWTP with R/O reclaimed water for Amata Quality Water, Bangkok, Thailand
15. WWTP for Petronas, Kertih, Trengganu, Malaysia
16. WWTP Ph.2 (480m3/hr) for Harta Lega Sdn.Bhd., Batang Berjuntai, Selangor
17. WWTP (30MLD) for Xiao Lan Industrial Park, Nanchang, China
18. WWTP (60M3/day) for Petronas Carigali Sdn. Bhd., Kerteh, Trengganu, Malaysia
19. WWTP (50MLD) for Xin Xiang Industrial Park, Henan, China
20. Sludge Treatment Plant for Gerisek Water Treatment Plant, Johor, Malaysia
21. WWTP (12.5MLD) for Lynas Malaysia Sdn.Bhd., Gebeng, Malaysia

- Hotel

1. 184 nos all suites hotel for Heritage Grand Vacation ClubBhd. at Batu Ferrighi, Penang
2. 220 rooms hotel for Pearl View Hotel, Jalan Bagan Luar, Butterworth, Penang, Malaysia

- Institution: Kek Lok Si Temple – Kuan Yin Octogonal Pavilion Structural Steel Roof comprising 1,500 tonnes of steel box girder and trusses

- Palm Oil Mills (P.O.M.)

    1. Topaz Emas P.O.M, Perak
    2. Tanjung Panjang P.O.M, Sandakan, Sabah
    3. Global Enterprise P.O.M, Lahat Datu, Sabah
    4. Arah Kawasan P.O.M., Selama, Perak
    5. RH Lundu P.O.M., Lundu Sarawak for Rimbunan Hijau Bhd.
    6. Gedung Plantations P.O.M., Serian, Sarawak
    7. Tamaco P.O.M., Lahat Datu, Sabah
    8. Mong Reathy P.O.M, Kampung Som, Cambodia
    9. Asia Palm Industries, Krabi, Thailand
    10. Ta Chang P.O.M, Thailand
    11. Wealth Houses P.O.M. for Jaya Tiasa Bhd., Pulau Bruit, Sarawak
    12. Extension to 120t FFB/hr P.O.M for Yuzana, Myanmar
    13. 90t FFB/hr P.O.M for PT Tri Bakti Sarimas, Pekan Baru, Indonesia.
    14. 150 t FFB/hr RH Miri P.O.M., Miri, Sarawak for Rimbunan Hijau Bhd.
    15. 90 t FFB/hr P.O.M. for Southern Palm, Surathani, Thailand
    16. 90 t FFB/hr P.O.M. for Argo-SPO Group, Surathani, Thailang

- Palm Kernel Crushing Mill

    1. RH Selangau Kernel Mill for Rimbunan Hijau Group (300T/day)
    2. Tamaco Kernel Mill for Tamaco Plantation Sdn.Bhd. (600T/day)

CURRICULUM VITAE

Name : Lim Thuan Swee

Education : University of Malaya ((1972 – 1977)
B E.(Hons) in Mechanical Engineering

Membership : Professional Engineer (Malaysia), MIEM.
1st. Class Steam Engineer

Nationality : Malaysian
Age : 67 years

Experience : 45 years of working experience in both maintenance and design of palm oil mill both in and out of the country. Formerly with the Sime Darby Group in their plantation division. Area of specialties includes the design of modern day palm oil mills, mill power generation, boiler operation and golf course irrigation system.

List of projects involved in for both design and supervision are:

- Golf courses Design and construction of the entire irrigation system for Bukit Jawi Golf Resort, Jawi, Penang

- Palm Oil Mill Topaz Emas P.O.M, Perak
  Tanjung Panjang P.O.M, Sandakan, Sabah

  Global Enterprise P.O.M, Lahat Datu, Sabah
  Mong Reathy P.O.M, Kampung Som, Cambodia

  Asia Palm Industries, Krabi, Thailand
  Arah Kawasan P.O.M., Selama, Perak

  Gedung Plantations P.O.M., Serian, Sarawak
  Tamaco P.O.M., Lahat Datu, Sabah

  PMM P.O.M, Sambarina, Kalimatan Timur, Indonesia
  Faico Argo Mandiri, Sengeta, Kalimantan Timur, Indonesia

  PT Gunung Pelawan Lestari, Bangka, Bangka Belitung, Indonesia
  Gua Musang P.O.M, Gua Musang, Kelantan, Malaysia

- Kernel Crushing Mill
  Tamaco Kernel Mill (600T/day)

SW CONSULTANTS & ASSOCIATES Sdn. Bhd.
(Company No: 201047 – K)
Consulting Civil Structural Mechanical Engineers

Supporting Team

- **Ir. Kong Sio Keong**
- **Ir. Khoo Koon Tai**
- **Ir. Leng Boon Hock**
- **Ir. Ong Tai Ngee**
- **Dr. Lai Woei Tong**
- **Ir. Leng Boon Hock**
- **Ir. Lim Sin Chun**
- **Ir. Jamaliah Radzian**
- **Engr. Lok Chin Hoong**
- **Engr. Marcus Lim Eu Sheng**

CURRICULUM VITAE

Name : Kong Sio Keong

Education : National Taiwan University , Taiwan , 1948
B Sc in Civil Engineering

University of South California, USA, 1983
M Sc in Geotechnical Engineering

Experiences :

- Varied experience in specialized soil testing, borehole pressure meter test, instrumentation works, site investigation, pile installation and loading tests, analysis and design of deep excavation and foundations.

Among the projects participated includes:

- Marina Centre Development Project
- The Chartered Bank Redevelopment Project
- Shangri-la Hotel banquet Wing Extension

The Meridien Hotel and Glass Hotel

- The Gateway Project
- The Central Expressway from Ang Mo Kio Avenue 5
- Beaufort Sentosa Hotel
- NTI Extension
- Exchange Centre at Cecil Street, Singapore
- The Bugis Junction Redevelopment
- The SPC Oil Terminal at Pulau Sebarok
- Excavation/Retaining Design of the proposed Redevelopment of Tan Tock Seng Hospital including assessment of excavation effect on the existing MRT Tunnels.
- SIA Hangar II
- Eastern General Hospital
- Excavation/Retaining Design for the proposed Pontiac Marina Development and NUH Phase III extension.
- Amcol Waterfront Resort
- New Race course at Kranji
- NIE Development at NTU in Singapore
- Kompleks Damai Developmetn in Kuala Lumpur
- World Trade Centre
- Beaufort International Hotel, Bangkok
- Bangkok Airport Industrial Park
- Landslide investigation for North-South Highway.

CURRICULUM VITAE

Name : Khoo Koon Tai
Education : Lougborough University of Technology, U.K, 1983
B Sc (Hons) Civil Engineering
Membership : Professional Engineer (Malaysia), MIEM
Nationality : Malaysian

Experience 33 years of working experience in civil and structural engineering work including design and construction supervision for residential and industrial buildings, infrastructure works including water supply, roads and drainage, sewerage reticulation and basic treatment facilities for housing development projects, mini sports complex, high rise buildings, viaducts, retaining walls, underground car park structures, MRT foundation and water retaining structure designs. He has also experience involving large scheme industrial and town planning project and construction management, geotechnical engineering concerning hill land development, slope stability, soil improvement, basement excavation and foundation.

Among the projects he is responsible for includes:

- Housing development schemes in Johor
  - Taman Kempas Housing project
  - Taman Daya
  - Taman Muhibbah
  - Taman Johor Jaya
  - Johor Bahru ini Sports Complex
  - KEJORA headquarters office in Desaru Resort
- Underground and highrise structural engineering designs
  - National Chiao Tong University's dormitory building
  - Taiwan Development Corporation Building
  - Taipei MRT underground stations
  - stations and depot building for Jurong Bird Park Monorail system
  - underground parking structure at Park No. 4 Taipei
- Engineering planning, development project implementation and management including infrastructural work and roadway.
  - 150 acres Far East Industrial Park in Cork, Ireland
  - 300 Ha Tan Thuen Export Processing Zone
  - 2600 Ha Saigon South New City Centre
- Technical supervision for the design and construction of residential and high rise building on hill land development and soft ground.
  - Ratu Mutiara Condominium
  - Seri Seronok Condominium
  - La Mer. Ferringhi Sdn Bhd
  - Taman Perwira Housing
  - High rise light industrial and warehouse building
  - High rise commercial complex and condominium development.

CURRICULUM VITAE

Name : Ong Tai Ngee

Education : University of Bristol, England (1986 – 1989)

Membership : Professional Engineer (Malaysia), MIEM

Nationality : Malaysian

Age : 49 years

Experience :27 years of working experience in the design and supervision of low and medium rise buildings mainly for residential and industrial use in Penang. Have spent most of his professional time designing and supervising buildings with C&S consultants apart from a short stint with a housing developer in Prai, Penang.

List of projects involved includes:

Residential Building	Taman Kayangan Puri Mutiara, Penang 18 units double storey terrace houses ,Butterworth 12-14 storey apartments & clubhouse for Hunza-Land Corporation, Penang. 3-18 storey blocks consisting 2,000 units of residential apartments for Lone Pine Development, Penang 2 nos.28-storey blocks of apartment (811 units) for MBSB Development Sdn.Bhd.
Industrial Building	RM6 mil. factory in Sg. Petani, Kedah Aluminum factory at Tikam Batu, Kedah for Leader Goldstar Electronic Wire Sdn.Bhd. Cable factory at Tikam Batu, Kedah for Leader Cable Industries Sdn.Bhd. Electronic factory at Tikam Batu, Kedah for Leader Cable Industries Sdn.Bhd. Cable factory at Plentong, Johor for Universal Cable (M) Bhd. 3-storey electronic facory at Bukit Mertajam, Penang for Lite-On Industries Sdn.Bhd.
Office Buildings	7-storey office block for Transocean Forwarding & Shipping in Georgetown, Penang 8-storey office block in Penang for Impresso Development Sdn.Bhd. Refurbishment of Georgetown Park Inn Hotel
• Institutional Buildings	4-storey building for Chinese Methodist Church, Penang

CURRICULUM VITAE

Name : Lai Woei Tong

Education : University of Leeds, U. Kingdom, 1991
B Sc in Engineering

University of Leeds, U. Kingdom, 1995
Ph. D in Engineering

Experience :
Co-ordination and supervision work on the construction of access road, service pipelines, shore protection and RC platform of Pulau Damai Laut
Reclamation Project in Jurong, Singapore

Slope stability and foundation study for proposed Water Tank and 114 units of Staff Housing at NTU Campus.

Stabilization study to Existing Crib Wall at Dunearn Close

- Assessment of Excavation Effect on Existing MRT Viaducts at Ang Mo Kio Avenue 8

Proposed bungalows development at Swiss Club Road

- Proposed Hume 5 Condominium Development at Hume Avenue, S'pore
- Proposed condominiums and clubhouse development at Genting Highlands, Malaysia.
- Authored more than 4 technical papers, covering the topic of reliability analysis on the sensitivity of soil parameters and models in foundation engineering.

CURRICULUM VITAE

Name : Leng Boon Hock

Education : National Cheng Kung University, Taiwan, 1987
B Sc in Civil Engineering
Asian Institute of Technology, Bangkok, 1989
M Sc in Structural Engineering

Experience :

- Involvement in the research of far field shape functions for infinite multi-layered saturated elastic media

- Research study to predict the behavior of a test embankment on Malaysia, marine clay project using finite element technique.

- Design of high rise buildings, residential developments, hotel and industrial buildings, bridge structures, foundation, site formation and other associated civil and infrastructure work
  Geotechnical work which include soil investigation, laboratory, slope stability for excavation and retaining structure.

- Design of cable-steel aviary frame for Jurong Bird Park, Singapore

- 22 storey Mar Vista Resort, Penang

- Precast pre-stressed post tensioned I-girder composite bridge for East-West Highway, Taiwan.

- Design of earthwork for hillslope developments for the following:
  - Ratu Mutiara Condominium in Penang
  - Seri Seronok Condominium & Resort in Penang

CURRICULUM VITAE

Name : Lim Sin Chun

Membership : Professional Engineer (Malaysia), MIEM

Education : University Technology Malaysia, UTM, 1997
B Sc (Hons) Civil Engineering

Nationality : Malaysian

Age : 43

Experience :18 years of working experience in civil and structural engineering work including design and construction supervision for residential and industrial
Buildings, infrastructure works including water supply, roads and drainage,
Sewerage reticulation and basic treatment facilities for housing development projects, high rise buildings, palm oil mills, multi-storey car park, waste treatment plants, and water retaining structure designs.

Among the projects he is responsible for includes:

- Housing development schemes in Penang
  - Bandar Penas Mix Development at Butterworth
  - 22 Storey Low Medium Cost Apartment at Jalan Perak, Penang
  - 11 Storey Low Cost Flat at Paya Terubong, Penang
  - Multi Purpose Hall for 'Cher Yen Khor' Association
  - 184 nos all suites hotel for Heritage Grand Vacation Club Bhd. at Batu Ferrighi, Penang
  - 2 ½ Storey Bungalow at Batu Ferrighi, Penang

- Industrial Building
  - Steel Fabrication Factory at Tasik, Butterworth
  - Rubber Glove Factory at Bukit Panchor, Butterworth
  - Waste treatment plant for Paper Mill at Kedah
  - Sg. Titi WTP, Negeri Sembilan for JBA, Negeri Sembilan
  - Amata City Water Treatment Plant (WTP) Ph. 1 & 2 for Amata Group, Bangkok
  - Amata Nakorn WTP for Amata Group, Bangkok
  - Yichun City WTP for Pinang Water Ltd., Jiang Xi, China
  - WasteWTP for Harta Lega Sdn. Bhd., Batang Berjuntai, Selangor

- Palm Oil Mills
  - Global Enterprise P.O.M, Lahat Datu, Sabah
  - Mong Reathy P.O.M, Kampung Som, Cambodia
  - Arah Kawasan P.O.M., Selama, Perak
  - Gedung Plantations P.O.M., Serian, Sarawak
  - Tamaco P.O.M., Lahat Datu, Sabah

CURRICULUM VITAE

Name : Jamaliah Radzian

Education : California State University of Long Beach, USA, 1987
B Sc in Civil Engineering

Experience :

- Design and supervision of council's projects including buildings, roads and drainage works in Kedah.

- Design and supervision of civil and structural engineering works for Taman Perwira Housing Development, Prai, Penang

- Site formation and slope stabilization design for Ratu Mutiara Condominium Development

- Foundation design for Seri Seronok Condominium, Penang.

CURRICULUM VITAE

Name : Lok Chin Hoong

Education : Universiti Sains Malaysia, 2005
B Eng in Civil Engineering

Experience :12 years of working experience in the design and supervision of low and medium rise buildings, industrial buildings, WTPs and WWTPs.

List of projects involved includes:

Residential Building	20 stories Harbor View Hotel, Butterworth
	Pantai Mutiara Hospital Radio therapy ward
	S-D housing for Choong Ming Corp., Penang
	Bungalow for Dr. Tan Chiang Soo, Penang
	Bungalow for Arch. Khoo Cheang Jin, Penang
Industrial Building	Industrial factory for Camphill Cleantech Sdn.Bhd, Kedah
	Factory for Camphill Rubbertech, Kedah
	Factory for Alliance Rubber Products Sdn.Bhd., Nibong Tebal
Water Treatment Plant	113MLD WTP, Haldia, India
	Gerisek WTP, Malaysia
	100MLD Bt. Kitang WTP (Module 8), Kuching, Sarawak
	17m3/hr Endau-Rompin WTP, Pahang,Malaysia
Wastewater Treatment Plant	Petronas OGT Effluent treatment upgrade
	Amata Nakorn Reclaimed water & WWTP
	30MLD Hefei WWTP, China
	30MLD Xiao Lan WWTP, China
	480m3/hr Harta Lega NGC WWTP, Sepang, Malaysia
	Lynas Advance Materials WWTP, Gebeng, Malaysia
	Sabah ammonia-urea (SAMUR) WWTP, Sepetang, Sabah

CURRICULUM VITAE

Name : Marcus Lim Eu Sheng

Education : Nottingham University Malaysia Campus, 2012
MEng in Civil Engineering

Experience :5 years of working experience in the design and supervision of low and medium rise buildings, industrial installations, WTPs and WWTPs.

List of projects involved includes:

Residential Building	5 stories Nusa Hotel, Butterworth
	4 stories shop office, Wooley Development, Butterworth
	5 stories warehouse for Sun Printers Sdn.Bhd., Penang
Industrial Building	Composting Plant buildings for PT Evans Indonesia
	Composting Plant buildings for Toupos Palm Oil Mill Sdn.Bhd.
	Supporting structures for empty bunch conveyor, Tuin POM, Indonesia
Water Treatment Plant	30MLD WTP, Tanjong Manis, Sarawak, Malaysia
	5MLD Sg. Asap WTP, Sarawak, Malaysia
Wastewater Treatment Plant	480m3/hr Harta Lega NGC, Sepang, Malaysia

OUR ASSOCIATED MECHANICAL & ELECTRICAL CONSULTANTS:

1. TN CONSULTANT

2. O & A CONSULT SDN. BHD.

3. A.G. KONSULT SDN. BHD.

4. PERUNDING P.L.A.

5. PERUNDING HC TOH

6. I-CONSULT