COMPANY PROFILE

G&P M&E SDN BHD
(938593A)

23-2, Jalan Tasik Selatan 3,
Bandar Tasik Selatan,
57000 Kuala Lumpur,
Malaysia.

Tel: +603 – 9056 1593 * Fax: +603 – 9054 7735
G&P M&E Sdn Bhd is a mechanical and electrical specialist consulting firm of the G&P Professionals Group, which is a multi-disciplinary engineering consulting firm.

The Group offers a wide range of quality engineering consulting services, including:

- G&P Geotechnics
- G&P Structures
- G&P Infra
- G&P Maritime
- G&P Claims & Contract
- G&P Project Management
- G&P Water
- G&P R International (Cambodia)
- G&P Highways & Transportation
- G&P Dams Water Services
- G&P Professionals (Sarawak)
- NGI – G&P
- ZED – G&P
- G&P Water (Singapore)
- G&P Professionals (Sabah)
- G&P R&D
- G&P M&E
- G&P Special Structures

The Group was formed at the start of the 21st century and is currently one of the leading Engineering Consultancy Group practicing in Malaysia.

We are proud to provide high quality and optimised engineering solutions to address the increasing demands and diversity of the challenges facing current developments. Besides our pride in technically competent engineering services, we provide value-adding services in our endeavours to “delight our client” through our effort to providing innovative and optimally cost effective solutions,

Our Mechanical and Electrical engineering consultancy services primarily encompass planning, design and project implementation. These services provide major inland developmental aspects in residential, industrial and commercial, as well as infrastructure projects such as roads, highways, bridges, marine works, water supply, sewage systems, hydrology and drainage, solid waste disposal, power generation and telecommunication.

The firm, to its credit, is proud with its impressive track record of design, documentation and construction implementation of numerous major projects in Malaysia. We believe the underlying success of engineering and ever-evolving technology is the knowledge advancement.
G&P M&E Sdn Bhd was founded to provide value adding state-of-the-art integrated and coordinated mechanical, electrical, plumbing and fire protection consulting engineering and building commissioning services.

Our experienced staff examine alternative solutions and provide proven and responsive air conditioning and mechanical ventilation, electrical, plumbing and fire protection engineering design for state-of-the-art facilities. We are able to handle large scale and complex projects from inception to construction completion, in their entirety. As well as provide feasibility of alternative layouts and are a proactive participant in value engineering, early in a project.

G&P M&E has Green Building Index (GBI) certified facilitator on his staff and a proponent of Sustainable / Green Design Concepts. Many staff engineers are GBI or Green Mark certified Facilitators and as a firm we are involved in many projects that are pursuing GBI or Green Mark Certification.

We utilize AutoCAD REVIT MEP 2010 for Building Information Modelling and 3D Design for collision detection and 3D Design Review.
“With high caliber team of mechanical and electrical engineers, all technical and administrative maintain their high level of expertise as a result of a commitment to continuous professional development and its open-plan offices are carefully designed so that best practice can be freely shared between consultants.”
Engineering Services

With every client, G&P M&E begins with an initial client consultation and facility-prequalification to establish client objectives and determine financial criteria for a project. We provide engineering and design as an owner's agent, or total turn-key services for design build project installation. In all cases G&P M&E offers clients a wide range of services to address their specific needs.

Mechanical incorporates the following services:

- ACMV (Air Conditioning and Mechanical Ventilation)
  - Air conditioning
  - Smoke exhaust and ventilation
- Plumbing System
  - Domestic water supply and distribution
  - Waste / sewage water disposal and treatment
  - Hot water supply and distribution
  - Steam generation and distribution
  - Compressed Air and Gas distribution system
- Fire Protection System
  - Hydrant & sprinkler, hose reel & wet riser
  - Portable fire extinguisher
  - Fire detection / alarm system
- Vertical Transportation
  - Lifts and escalators
- Waste collection system
  - Gravity chute
  - Full vacuum

Electrical incorporates the following services:

- Power distribution throughout the building
- Standby power generation
- General lighting and receptacle plan
- Lightning protection
- Building automation system
- Telephone installation plan
- Structured data cabling
- Background music and PA system
- MATV & CCTV system
- Access control & security system
Beyond broad spectrum engineering design and complete construction administration services, G&P M&E has some unique additional capabilities:

**Commissioning**
At G&P M&E, we believe commissioning should be involved in every stage of the project in order to deliver an excellent operating facility. Commissioning helps guarantee quality of construction and functional performance from programming and schematic design through the long term operation of the facility. Fundamental building system commissioning is a green building prerequisite.

**Green Building Consulting - Green Building Index, Malaysia / Green Mark, Singapore**
We provide full service of Green Building Index facilitating and documentation with our GBI facilitators. GBI is a widely used Rating System developed by Malaysia Green Building Council that forms a national standard for developing high performance, sustainable buildings.

**Energy Audit and Use Analysis**
We work with owners to assess the energy performance of both existing and proposed facilities. With existing buildings, we are able to monitor and evaluate present energy usage and make recommendations. For proposed designs, we use a dynamic computer model to forecast energy consumption and life cycle cost for all building types, with the ability to compare various alternates to a baseline.
Computational Fluid Dynamic (CFD)
With the state-of-the-art computing facilities, we deliver reliable solution within a short period of time for a wide range of engineering applications in the Building Services industry; Building Aerodynamics & Wind Engineering, Fire & Safety and Air Conditioning & Industrial Ventilation. Appropriate modeling approach to meet specific Client's requirement is assured, with complete CFD investigation which leads to the selection of suitable performance-based engineering design concepts & solutions, providing our client with unparalleled competitive advantage.

AutoCAD Revit MEP
It provides mechanical, electrical and plumbing (MEP) engineers and drafters with the tools to design even the most complex building systems. Revit supports Building Information Modelling (BIM), help drive accurate draft, design, analysis, and documentation of more efficient building systems from concept through to construction. Use information-rich models to support building systems design throughout the building lifecycle. It decrease coordination issues, save time spent on repetitive tasks, and deliver projects faster with higher quality documentation.
INSIGHT

• Helps to virtually crawl inside a system or device and see its performance

FORESIGHT

• Predicts and tests the performance of a system or device under many configuration until arrive at an optimal result prior to physical works or prototyping

EFFICIENCY

• Help to design a better and economical system or device and hence leads to design enhancement without cost, expenses or physical disruption
Engineering Services

CFD Application

Car Park Ventilation
Computational model for conservatory
- Temperature contours about fire source at time = 12 minutes
- RED = High Concentration
- BLUE = Low Concentration
Surface pressure contours on building & terrain due to wind loading
RED = High pressure
BLUE = Low pressure

Particle trajectory from exhaust plume fans indicating entrainment of contaminant into building roof area and air intakes due to wind gust
Pressure contours on residential development due to south wind
RED = High pressure
BLUE = Low pressure

Air velocity vectors in residential apartment due to south wind
RED = High speed
BLUE = Low speed
Engineering Services

AutoCAD MEP Application

More accurate designs

Fabrication for MEP contractors

Coordinate design information

Schematic design

Effective collaboration
High-rise Commercial Building

- IMPIANA HOTEL (Kuching, Sarawak)
  + 38 storeys 5 star rating hotel
- TRADER HOTEL (Kuala Lumpur)
  + 26 storeys 5 star rating hotel
- SUNWAY PYRAMID HOTEL (Sunway)
  + Multi storey hotel
- MINISTRY OF FINANCE, MOF (Putrajaya)
  + Central government multi level office
- SUNWAY MONASH UNIVERSITY (Sunway)
  + Monash campus with radiant cooling system
- SUBANG SQUARE (Subang Jaya)
  + High rise office and retail
- GAMUDA WALK (Kota Kemuning)
  + 3 levels basement car parks, 3 levels retails & 7 levels offices
- BUKIT BANTAYAN MIXED DEVELOPMENT (Sabah)
  + 1,500 Units High Rise Residential & Commercial

Part of the project reference list are extracted from both company and company’s principal experiences.
Projects

High-rise Commercial Building

- PLO T P, CYBERJAYA CITY CENTRE, SEPANG, SELANGOR
  - 2 Storey Centre, 2 Storey Basement, 24 Storey Hotel

- PLO T O, CYBERJAYA CITY CENTRE, SEPANG, SELANGOR
  - Mixed Commercial Development, IT Mall, SOHO, Serviced Apartment
Projects

Impiana Hotel
(Kuching, Sarawak)
Projects

Traders Hotel

*(Kuala Lumpur)*
Projects

MB Square

(Bangsar)
Gamuda Walk
(Kota Kemuning)

Mixed Development – Office Suites & Podium Shopping Mall
Projects

PLOT P, CYBERJAYA

360 Rooms Hotel

Convention Centre
Projects

PLOT P, CYBERJAYA

Commercial
Projects

PLOT O, CYBERJAYA
Projects

The Signature
*(Sri Hartamas)*
Projects

Subang Square

Mixed Development – Office Suites & Retail Mall
Projects

2G5 & 2G6
(Putrajaya)
Projects

2G1

(Putrajaya)
Plaza Pantai
(Kuala Lumpur)

Mixed Development – Offices, Retails & LRT Station
Projects

Low-rise Commercial Building

1. TESCO (Puncak Alam) Superstore

2. TESCO REFIT PROJECT for Desa Tebrau, Johor Bahru, Seberang Jaya, Pulau Pinang & Bukit Tinggi, Klang Selangor

3. FFM FACTORY (Kajang) food processing factory

4. VOLKS WAGEN SHOW ROOM, Jalan Kapar, Klang

5. BRB FACTORY (PKFZ, Klang)

Part of the project reference list are extracted from both company and company’s principal experiences.
Projects

Low-rise Commercial Building

6. PUTERI HARBOUR CONVENTION CENTER (Nusajaya, Johor Bahru)
   Multi-facilities center for exhibition hall, meeting rooms, function hall, banquet hall, auditorium, plenary hall & kitchen

7. KUALA LUMPUR CONVENTION CENTER (Kuala Lumpur)
   Multi-facilities centre for exhibition hall, meeting rooms, function hall, banquet hall, auditorium, plenary hall & kitchen

8. KUALA LUMPUR GOLF & COUNTRY CLUB (Kuala Lumpur)
   Upgrading of club house facilities for buggy shelter, function room, banquet hall, karaoke, show room, badminton hall & tennis court

9. CUSTOM, IMMIGRATION & QUARANTINE, CIQ (Melaka)
   State government CIQ

10. EATON Internation School, (Kajang)
    International School

Part of the project reference list are extracted from both company and company’s principal experiences
Projects

Low-rise Commercial Building

CP1 JADE HILL, (Kajang)
2 & 3 Storey Shop Offices of Mixed Development

KYS Internation School, (Kuala Lumpur)
International School

ESTUARI 1C (Johor Bahru) Neighbourhood Centre

PLOT C (Shah Alam, Selangor) Sales Gallery

M3 (Johor) Mixed Development

Part of the project reference list are extracted from both company and company's principal experiences
PROJECTS

Eaton International School
(Jade Hill, Kajang)
Projects

Puteri Harbour Convention Center (Johor)

Mixed Development – Residential, Retails, Hotels & Convention Center
Projects

Estuari 1C
Projects

BRB Warehouse and Plant Tower, PKFZ (Klang)
Projects

VOLKSWAGEN Showroom
Projects

CIQ Malacca
Projects

Kuala Lumpur Golf & Country Club
Projects

KL Convention Center
Projects

PORSCHE Showroom
(Kuala Lumpur)
Projects

Tesco Superstore

(Puncak Alam)
Projects

M3, (Mukim Pulai, Johor)
Projects

KYS International School (KL)
Part of the project reference list are extracted from both company and company’s principal experiences.

Projects

Government Project

- TAPAK PELUPUSAN SISA PEPEJAL (Sungai Udang, Melaka)
  - Waste disposal plant

- NAIK TARAF KOMPLEKS BELIA & SUKAN (Kuantan, Pahang)
  - Sport complex

- PKNS (Shah Alam)

- SKMM Block E (Cyberjaya)

- SKMM Block D (Cyberjaya)

- CIQ (Melaka)
TAPAK PERLUPUSAN SISA PEPEJAL (Sungai Udang, Melaka)
NAIK TARAF KOMPLEKS BELIA & SUKAN (Kuantan, Pahang)
Projects

Special Commercial Building

JAMBUK ESTATE (Kalimantan Timur, Indonesia)
• Flood mitigation – Design and proposed of Large Scale Submersible Pump

KLIA2 (Sepang)
• Centralised Waste Handling Center

VALE IRON ORE DISTRIBUTION PLANT (Manjung, Perak)
• Submission engineer and peer review

INFINEON TOWER (Melaka)
• 11 storey office building, 4 storey production floor and 5 storey common utilities building

Part of the project reference list are extracted from both company and company’s principal experiences.
VALE IRON ORE DISTRIBUTION PLANT (Manjung, Perak)
INFINEON TOWER (Melaka)

Up to 50,000m² cleanroom area of Class 10K and 100K
Part of the project reference list are extracted from both company and company's principal experiences.
Projects

Duta Suria (Ampang)
Projects

IOI Rio City
(Puchong)

Mixed Development – Residential, Retails & Shop Office
Projects

ION DE ELEMEN

(Genting Highland)
Projects

Bukit Bantayan Mixed Development (Sabah)
Projects

RSKU, KAJANG
Projects

RSKU, SUBANG
Projects

Low Rise

MELA SEMI-D (Melawati, Kuala Lumpur)
  • 36 units semi-detached house

BATAI BARAT SUPER BUNGALOW (Bukit Damansara, Kuala Lumpur)
  • 16 units Luxury Super Bungalow

TANJUNG SEPAT RESORT
  • 36 units of Villa House

L1 (Sunway Iskandar, Johor Bahru)
  • 361 unit rumah teres, rumah kluster dan rumah bandar

BERANANG TOWNHOUSE (Bandar Tasik Kesuma, Selangor)
  • Rumah Bandar Selangorku 760 Unit

PKNS (Shah Alam, Selangor)
  • 48 unit rumah teres 2 tingkat

ZOOVIEWS (Gombak, Selangor)
  • 16 unit rumah Semi-D

DHOMES

Part of the project reference list are extracted from both company and company’s principal experiences
Projects

Batai Barat (Bukit Damansara)
Projects

Beranang Townhouse

Residential
Projects

Tanjung Sepat Resort

Residential
Projects

- Overall infrastructure design of residential project
- Overall infrastructure design of proposed Residential Mix Development
- Master infrastructure design of proposed Commercial Mix Development
- Master infrastructure design of proposed Mix Development project (1500 Acres)
- Master infrastructure design of proposed Mix Development
- Master infrastructure design of proposed Mix Development

Part of the project reference list are extracted from both company and company’s principal experiences
Projects

Jade Hills (366 Acres) (Kajang)
Projects

Bandar Mahkota
(Nilai)
Projects

Ukay Heights
(Ampang, Selangor)
Projects

Hillpark Homes (160 Acres)

(Kajang, Selangor)
Projects

ION D’ELEMENT
(Genting Highlands)
Projects

Royce Residences
(Kuala Lumpur)
Central Residence (Sungai Besi)
Projects

RICHMOND
(Mon’t Kiara)
Projects

MCMC
(Cyberjaya)
CENTRAL RESIDENCE SURIA
(Sungai Besi)
Projects

PRIME MINISTER OFFICE
(Putrajaya)

Energy Audit/
Commissioning
Projects

MINISTRY OF HEALTH

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

No. Perakuan : 2012-3600-00000-BC-1245

LEMBAGA JURUTERA MALAYSIA

PERAKUAN PENDAFTARAN SEBAGAI AMALAN JURUTERA PERUNDING

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama : Perbadanan Korporat
       G&P M&E SDN. BHD.

Alamat : NO. 23-2 JALAN TASIK SELATAN 3
          BANDAR TASIK SELATAN
          57000 KUALA LUMPUR
          W. PERSEKUTUAN (K.L)
          MALAYSIA

Cawangan Kejuruteran: **MECHANICAL, ELECTRICAL**

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

Syarat-syarat:

Perakuan pendaftaran ini akan habis tempoh pada 31 Disember 2020

(Ir. KAMALUDDIN BIN HAJI ABDUL RASHID)
Yang Dipertua

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

Tarikh Dikeluarkan : 17 Januari 2020
KEMENTERIAN KEWANGAN MALAYSIA

SIJIL AKUAN PENDAFTARAN FIRMA PERUNDING

NO. SIJIL : 3604100234622665010
NO. RUJUKAN PENDAFTARAN : 485-02039076
TEMPOH SAH LAKU : 21/05/2019 - 20/05/2022

Bahawa dengan ini diperakui syarikat:

G&P M&E SDN BHD (938593A)
23-2 JALAN TASIK SELATAN 3
BANDAR TASIK SELATAN,
W.P. KUALA LUMPUR
57000 KUALA LUMPUR
WILAYAH PERSEKUTUAN KUALA LUMPUR, MALAYSIA

Telah berdaftar dengan Kementerian Kewangan Malaysia dalam bidang bekalan/perkhidmatan di bawah sektor, bidang dan sub-bidang seperti di Lampiran A. Kelulusan ini adalah tertakluk kepada syarat-syarat seperti yang dinyatakan di Lampiran B. Individu yang diberi kuasa oleh syarikat bagi urusan perciehan Kerajaan adalah seperti berikut:

TAN WEE KEONG 710714105971 PENGARAH URUSAN
TEOH TIAN LENG 720809015481 PENGARAH
ASILAWATI BINTI ABU BAKAR 830180075381 SENIOR ACCOUNT & ADMIN

Lt

DATO' ZAMZURI BIN ABDUL AZIZ
Bahagian Perciehan Kerajaan
b.p. Ketua Setiausaha Perbendaharaan
Kementerian Kewangan Malaysia

Tarikh Berdaftar Dengan Kementerian Kewangan Malaysia : 21/05/2019

(Sijil ini adalah cetakan komputer dan tidak memerlukan tandatangan)
Dengan ini disahkan bahawa

Ir Lalchand Gulabrai

telah dipilih sebagai

Feo

pada

26 April 2014

di atas pencapaian dan sumbangan yang unggul kepada Sains, Kejuruteraan dan Teknologi bagi pembangunan negara

Presiden
Akademi Sains Malaysia

Setiausaha Agung
Akademi Sains Malaysia
Certificate of Registration

to

G&P M&E SDN BHD (938593A)

SD03399

for

being a Sime Darby Property Approved Vendor

from 23 Oct 2019
to 23 Oct 2021

Pre-Qualification Approval Committee
Sime Darby Property Berhad

(This certificate is computer generated and no signature is required)