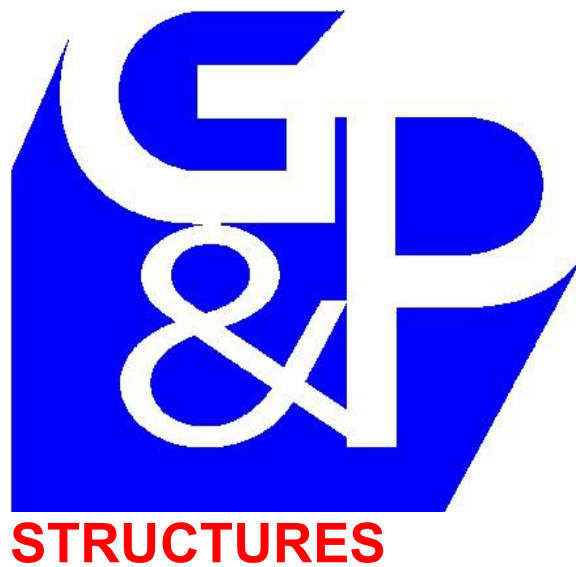

COMPANY PROFILE



G&P STRUCTURES SDN. BHD.

41-3, JALAN TASIK SELATAN 3
BANDAR TASIK SELATAN
57000 KUALA LUMPUR
MALAYSIA

TEL 	: + 60 (3) - 9058 3119
FAX 	: + 60 (3) - 9058 4118
EMAIL 	: gnp-struc@gnpgroup.com.my
WEBSITE 	: www.gnpgroup.com.my

TABLE OF CONTENTS

COMPANY PROFILE

CORPORATE PHILOSOPHY

HIGH RISE / COMPLEX STRUCTURES

Case Study

-  SOLARIS 2 DUTAMAS
-  DAMANSARA UPTOWN PHASE II
-  RADIA BUKIT JELUTONG
-  Platinum Park KLCC

INNOVATION AND VALUE ADDING

- STRUCTURAL INNOVATION
- BUILDING INFORMATION MODELING (BIM)

ORGANIZATION CHART

KEY PERSONNEL

QUALITY ASSURANCE

COMPANY PROFILE

G&P STRUCTURES SDN. BHD. is a specialist company of **G&P Professional Group**

We are an engineering consultancy company providing a broad scope of services encompassing the discipline of : -

- Structural Engineering : Specializing in structural designs of large and high rise buildings
- Value Engineering
- Engineering Audit and Review
- Alternative Design
- Feasibility Study
- Failure Investigation
- Construction Supervision

Our assembled team of professionals is specialized in the respective disciplines and has an impressive knowledge base on the current local industry trends as well as authority approval processes.

G&P Structures Sdn. Bhd. maintains an in-house computer network system that support most sophisticated engineering analysis, designs and draughting software available today.

The wide range of computer aided design and draughting facilities made available to our team of professionals have been extensively used to provide the most optimal design to Clients.

With the implementation of the automation intranet system, we have managed to achieve higher efficiency in the office workflow and operational process.

We recognize the many advantages of Building Information Modeling (BIM) have to offer to our Clients and have been constructing 3D virtual prototypes of project buildings using Revit Software.

CORPORATE PHILOSOPHY

OUR VISION

To obtain the hallmark for Quality Services,
Technical Excellence, Reliability and Safety

OUR ASPIRATION

To provide Innovative and Economical Designs
To ensure Safety and Ease of Construction

OUR VALUES

To uphold Integrity in all aspect of Works and Communications
To value staffs' Creativity and Commitment to Quality
To provide Best Solution by inspiring Teamwork

HIGH RISE / COMPLEX STRUCTURES



MET5A, KL Midtown, a mix development consisting of 2 block of 10-storey signature office, 1 block of 55-storey office tower, 1 block of 53-storey, 1 block of 59-storey and 1 block of 55-storey service apartment, and 1 block of mixed commercial tower with 13-storey hotel, 30-storey service suite and 6-storey facilities on 8-storey of podium.

Client : Golden Suncity Sdn. Bhd. (Hap Seng Land)

Project Cost : RM 1.57 Billion

Services : Civil & Structural Engineering Consultancy



Agile Bukit Bintang, Kuala Lumpur, consisting of 1 block of 60-storey service apartment including 2-storey of recreation facilities, 2-storey of retail and 10-storey of carpark podium, 1 block of 53-storey and 1 block of 38-storey service apartment including 2-storey of retail on top of 2 level basement.

Client : Agile Tropicana Development Sdn. Bhd.

Project Cost : RM 480 Million

Services : Civil & Structural Engineering Consultancy



Como Condominium, Kuala Lumpur, consisting of 1 block of 39-storey apartment, with 5-storey of retail and carpark podium, 2 levels of lower ground carpark and recreation facilities.

Client : Maison Rouge Sdn. Bhd.

Project Cost : RM 200 Million

Services : Civil & Structural Engineering Consultancy



SkyVue Condominium, Kuala Lumpur, consisting of 2 block of 41-storey apartment, with 1-storey of recreation facilities, 8-storey of carpark podium and 1 levels of lower ground carpark.

Client : SkyVue Development Sdn. Bhd. (Skyworld Development Sdn. Bhd.)

Project Cost : RM 200 Million

HIGH RISE / COMPLEX STRUCTURES



Solaris Parq Residensi, Kuala Lumpur, consisting of 2 blocks of 41-storey service apartment linked by 6-storey podium including 1-storey recreation facilities and 5-storey carpark podium.

Client : Ibarat Duta Sdn Bhd (UEM Sunrise Berhad)

Project Cost : RM310 Million

Services : Civil & Structural Engineering Consultancy



AtWater, Petaling Jaya, a mixed development consisting of 1 block of 32-storey and 1 block of 36-storey service apartments, 2 blocks of 15-storey offices, linked by retail and carpark podium, and 3 levels of basement carpark. The development aim to achieve GBI Gold rating.

Client : Paramount Property Development Sdn. Bhd.

Project Cost : RM 300 Million

Services : Civil & Structural Engineering



Symphony Square, Petaling Jaya, consisting of 1 block of 21-storey office tower link by 9-storey retail and carpark podium with recreation facilities.

Client : Vistayu Sdn Bhd (Symphony Life Group)

Project Cost : RM121 Million

Services : Civil & Structural Engineering Consultancy



SERINI, Taman Melawati, Selangor, consisting of 2 blocks of 38-storey service apartment linked by 6 1/2-storey carpark podium, 1-storey recreation facilities and 1 level of sub-basement carpark.

Client : Sime Darby Melawati Development Sdn Bhd

Project Cost : RM200 Million

Services : Civil & Structural Engineering Consultancy



Parcel 6T Phase 1, Putra Heights, consisting of 5 blocks of residential apartment and 1 block of SOHO with 5-storey carpark below together with facilities area on podium level. The on-site facilities include swimming pool, function hall, cafes and convenience stores.

Client : Sime Darby Putra Heights Development Sdn Bhd

Project Cost : RM320 Million

Services : Civil & Structural Engineering



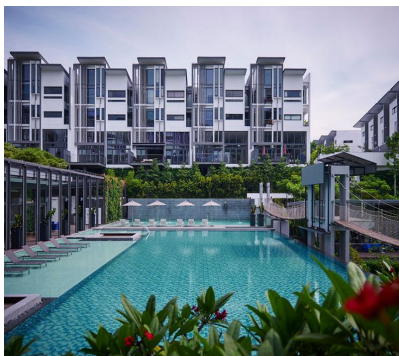
The Westside II, Desa ParkCity, Kuala Lumpur, consisting of 1 block of 41-storey prestigious condominium, 6-storey carpark podium and a distinctive double-storey link bridge.

Client : Perdana Parkcity Sdn Bhd

Project Cost : RM160 Million

Services : Civil & Structural Engineering Consultancy

HIGH RISE / COMPLEX STRUCTURES



The Mansions, Parkcity Heights, Kuala Lumpur, a development consisting of a prestigious Regal Parkhomes in a 19.6-acre gated and guarded hilltop enclave.

Client : Perdana Parkcity Sdn Bhd

Project Cost : RM196 Million

Services : Civil & Structural Engineering Consultancy



Impiana, Nusajaya, Johor Bahru, consisting of 2 blocks of 12-storey and 2 blocks of 24-storey apartment linked by 3-storey carpark podium with recreational facilities.

Client : UEM Land Bhd

Project Cost : RM185 Million

Services : Civil & Structural Engineering Consultancy



Seringin Residences, Happy Garden, Kuala Lumpur, consisting of 2 blocks of 25-storey apartment including recreation facilities and 3-storey carpark.

Client : Utama Lodge Sdn Bhd (See Hoy Chan Group)

Project Cost : RM268 Million

Services : Civil & Structural Engineering Consultancy



Suasana Bangsar, Kuala Lumpur, consisting of 1 block of 26-storey condominium with recreation facilities and 5 levels of sub-basement carpark.

Client : UM Land Berhad

Project Cost : RM75 Million

Services : Civil & Structural Engineering Consultancy



Axis Pandan, Kuala Lumpur, consisting of 1 block of 33-storey and 1 block of 43-storey service apartments link by 10-storey of retail and carpark podium.

Client : Reliable Capacity Sdn Bhd (RK Group of Companies)

Project Cost : RM125 Million

Services : Civil & Structural Engineering Consultancy



Giant Distribution Centre, Sepang, Selangor, consisting of a 150m x 250m steel warehouse with flat floor and high racking storage.

Client : Gelanggang Harapan Construction Sdn Bhd

Project Cost : RM100 Million

Services : Civil & Structural Engineering Consultancy

HIGH RISE / COMPLEX STRUCTURES



Idaman Residence, KLCC, Kuala Lumpur, consisting of 1 block of 34-storey condominium, including 2-storey of recreation facilities and 4-storey of carpark.

Client : Orchard Park Sdn Bhd
(TA Properties Sdn Bhd)

Project Cost : RM85 Million

Services Provided : Structural Value Engineering, Alternative Design & Engineering Review



The Residence, Mont' Kiara, Kuala Lumpur, consisting of 19 units of bungalow with 8 different architectural designs.

Client : Sunrise Berhad

Project Cost : RM30 Million

Services Provided : Civil & Structural Engineering Consultancy



Penang Time Square, Georgetown, consisting of 1 block of 11-storey podium with basement carpark and commercial area; and 2 blocks of 20-storey service apartment, 2 blocks of 25-storey office and 1 block of 25-storey hotel.

Client : Ivory Gleneary Sdn Bhd

Project Cost : RM400 Million

Services Provided : Structural Engineering Consultancy for Foundation and Basement Wall



Saville Residence, Kuala Lumpur, consisting of 1 block of 30-storey Service Apartment, including 3-storey shop office and 7-storey carpark podium.

Client : Gabung Wajib Sdn Bhd
(Metro Kajang Group)

Project Cost : RM60 Million

Services Provided : Civil & Structural Engineering Consultancy



Ritze Perdana II, Damansara Perdana, Petaling Jaya, consisting of 3 blocks of 8 to 9-storey apartment on top of a 9-storey podium carpark and commercial area.

Client : Usaha Hartamas Sdn Bhd

Project Cost : RM66 Million

Services Provided : Civil & Structural Engineering Consultancy



Kiara Designer Suites, Mont' Kiara, Kuala Lumpur, consisting of 1 block of 29-storey service apartment, 1 block of 6-storey carpark with recreation facilities and commercial space, and 2-storey of service apartment on top of the carpark.

Client : Sunrise Paradigm Sdn Bhd

Project Cost : RM90 Million

Services Provided : Civil & Structural Engineering Consultancy

CASE STUDY: SOLARIS 2 DUTAMAS

This mixed-use development with a total construction floor area of 6.3 million ft² (587,480m²) featuring 12 blocks of 6-8 levels of shop cum office, 1 block 21-storey office, 3 blocks 24-storey twin residential tower with 780 apartment units and 5363 car parking spaces spreading over 7 levels of semi-basement car park was developed by Sunrise Alliance Sdn Bhd and located at the vicinity of prestigious Mont Kiara area.

A total of 1.3million m³ of earth were removed from 6.992 hectare (17.278 acre) former green hill to give way for this 750 million ringgit development. The whole project commenced in 2005 and completed in 2010. The upscale Publika retail mall was then opened in 2011.



The design development and construction works were carried out concurrently during the initial stage of this project. It was challenging to design and manage such a large development site together with developer's in-house Management Contractor, to ensure different trades of Contractors in earthworks, bored piling, micro piling, soil nailing and basement RC works were well coordinated, so that the works could be carried out simultaneously with minimum contractual implications. At the same time, we had to review the design and sequence of works continuously, to cater for the ongoing changes that were evolving from the design development.



The foundations were complex with different piling system adopted for different component of development, to ensure the selected systems were cost effective, safe, technically suitable and construction friendly. The piling systems comprised of 933 bored piles of different diameters ranging from 750mm to 1200mm, 306 micro-piles and raft foundation. Tension piles were installed in part of the basement to resist water uplift pressure. It is essential to ensure the differential settlements between the different foundation systems were within acceptable limits, and to prevent any adverse effect to the superstructure works.



The height of the semi-basement wall along the northern boundary was 31m high. Cost effective soil nail wall was adopted instead of the costly contiguous bored pile or diaphragm wall. The soil nail wall was the first and highest basement wall ever constructed in Malaysia. We had to work closely with the Architect, Geotechnical Engineer and Contractors to ensure that the sequence of construction for soil nail berms, pile points and drainage were well coordinated without obstruction, and that part of podium building structures could be founded on the formation of soil nail slope.

RC beam and slab system was adopted for the retail podium floors, which was an economical structural system and had flexibility in the sequence of construction works and could accommodate changes as required by the retail tenants. Post-Tensioned band beams were used in retail areas which required 15.6m span of column-free retail space. RC band beam and slab system was used for the basement carpark to reduce the overall floor depth while permitting longer spans and shorter time of excavation. The relatively wide and shallow cross section simplifies both the formwork and services which can pass under the beams and shortened the floor to floor construction time.

Flat slab and shear wall system was used for the apartment towers. The floor level between the above apartment and the below retail areas, act as a transfer floor allowing the transition from flat slab and shear wall system above to beam and column system below. With aluminium formwork system, the floor to floor construction cycle time can be reduced significantly comparing to the conventional construction time per floor. In addition, aesthetically pleasing vertical and smooth wall and ceiling finishes can be achieved by skim coating to the fair-face concrete surface.

Flat slab concrete floor will usually result in economics in the total construction costs because of shallower structural depth, resulting in reduced storey height. This can be very significant as any height reduction translates directly into savings in all vertical structural, architectural and building services elements.

Each of the twin 24-storey apartment towers was linked by a 4-level high sky bridge, starting from Level 5, that housed a triple volume multipurpose hall, spa room, gym room, M&E room and swimming pool. The lowest level of sky bridge was constructed by steel structures to minimise the use of temporary falseworks during construction. Detailed analysis and design were carried out to determine the complex support reactions between the two towers and sky bridge, including the impacts under severe wind load and lateral notional loads.



In order to optimize the traffic circulation and maximise the number of car parking space in basement floors, the columns of shop office blocks were transferred along the north-south direction at ground floor level.

The project team had to work proactively to accommodate the evolving changes from the architectural design development during the construction stage. The commitment of the project team to actively resolve the changes in a timely manner was essential to avoid disruption to the site progress and keeping the project within budget. Frequent interaction and coordination with the project team were carried out to ensure any structural solution derived due to the changes was well coordinated with the architectural and M&E services before the issuance of revised drawing for construction.



**** FIABCI MALAYSIA PROPERTY AWARDS 2014 – PUBLIKA – WINNER OF RETAIL CATEGORY ****

CASE STUDY: DAMANSARA UPTOWN PHASA II



Damansara Uptown Phase II is an integrated development with approximate 3.9 million ft² construction floor. It is the desire of the developer See Hoy Chan Sdn Bhd to transform the 16 acres area at the heart of Damansara Uptown into a “gateway to business, leisure and home”.

The development comprises 1 block of 30-storey and 1 block of 32-storey apartments, a 6-storey boutique mall, 1 block of 21-storey service apartment (Somerset) and 1 block of 30-storey Multimedia Super Corridor (MSC) Status Green Grade-A office, with an estimated total construction cost of more than a billion ringgit. All the blocks were founded above 3 levels of basement car park. Carefully planned phasing strategy allowed the development to be completed in phases for early hand over and operation over the construction program of 8 years.

The development is surrounded by existing 4-storey shop houses founded on pad footing. Re-charging wells were used during dewatering and excavation to control the original high ground water table and to prevent ground settlement that can cause damage to existing shop houses. Cost effective secant pile walls tied back with temporary removable ground anchors were adopted for the 9 to 15m deep basement construction, which involved the removal of 500,000m³ of earthworks.

To simplify the construction of lowest basement slab and overcome the high uplift ground water pressure, each podium column was supported by single tension bored pile. By doing so, pile caps were omitted and column loads were transferred directly into piles that were embedded into one metre thick of lowest basement flat slab.

Various structural systems were studied and selected to meet the architectural design intents and floor usages within allowable budget and timeline.



Shear wall and flat slab system for apartment floor to avoid undesirable large columns or beams in apartment units; post-tensioned beam and slab system for long span structures in major area of retail floor and car park area with 2.85m shallow floor to floor height; light-weight composite steel beams and slabs for long cantilever at retail area in order to form edging of retail center voids; steel trusses for 20 to 37m long pedestrian link bridges to create column free floor spaces below; precast hollow core slab for forming car park floors over an existing internal road; and r.c. beam and slab system for lift lobbies, toilets, landscaping areas and partial areas of retail that required flexibility in changes for future floor usage.



In addition, the project also involved the connection of new buildings to existing buildings, and several strengthening methods were carried out to strengthen the existing structures in order to accommodate new and additional floor usages. New micropile foundation was installed to underpin the basement of existing building in order to support the additional loadings of new mall structures.

This project has extensive infrastructure works which involves two tunnels, comprehensive upgrading of surrounding street scape and drainage, elevated driveway ramp joining to existing SPRINT highway and 2 km long of deep sewer line involving pipe jacking.

With our dedicated team of Engineers and collaborative approach during the design and construction stages, early identification of potential problems was possible and therefore avoided costly and time consuming delays during the progress of construction.



***** THE MALAYSIA CONSTRUCTION INDUSTRY EXCELLENCE AWARDS 2018 – STARLING MALL – THE BEST PROJECT AWARD (BUILDING PROJECT – MAJOR CATEGORY) *****

CASE STUDY: RADIA BUKIT JELUTONG

Situated in the heart of Bukit Jelutong, **Radia** is an integrated development by Sime Darby Sunrise Development Sdn Bhd. This distinguish project is a joint venture project between Sime Darby Property Berhad and UEM Sunrise Bhd, with an estimated gross development value of RM1.6 billion. Spread across 21 acres of freehold land, the development covers a construction floor area ("CFA") of 4.4 mil sq ft, comprising 640 units of serviced apartments (Radia Residences), a total of 305,000 sq ft of office space (Radia Offices) and an 880,000 sq ft retail area (Radia Retail).

Radia sits on primarily flat land with one level of sub-basement. The land itself contains good soil conditions thus an economical injection pile system was adopted for the foundation to minimise noise to the surrounding residential area.

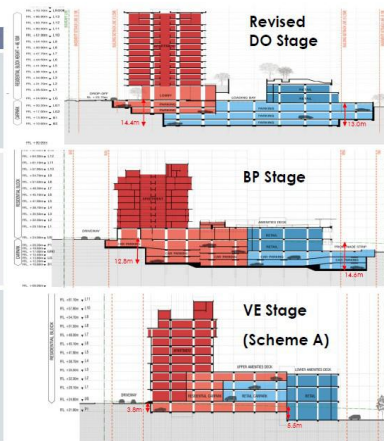
Due to limitation of building height by Department of Civil Aviation, post-tensioned flat slab system was adopted for carpark podium floors to achieve floor-to-floor height of 2.9m. This system allows for more flexible routing of mechanical and electrical services compared to conventional beam and slab system.

The design development of Radia has gone through several value engineering processes to achieve its feasibility. Initially designed with 3 basements levels, the construction time and costs were largely contributed by the expensive basement slab to resist uplift force from the underground water pressure and also large and deep excavation works. Consequently, Radia was then redesigned and value engineered to one level of sub-basement to reduce the overall costs and therefore brought back feasibility to the project.



Summary

	Deep Excavation	Lowest Basement Level
Revised DO Stage	5.0~14.4m	RL10.6 Maximum water pressure = 114kPa
BP Stage	5.0~14.6m	RL9.0~10.6~12.2 Maximum water pressure = 114kPa
VE Stage (Scheme A)	3.8~5.5m	RL18.00~21.00 Maximum water pressure = 0kPa



One of the greater challenges in the structural design of Radia was in the structural framing of Radia Residences. Beam and slab system was adopted in the structural framing for the residential blocks due to its non-typicality arrangement of the apartment units where it changes at every 2 levels. Thorough considerations were given when designing the beams at levels where the unit type changes to avoid aesthetic issues such as unsightly beam running at the top of living or dining area as well as pipe transfers in between the ceiling space. Coordination among the project team was crucial to ensure that the apartment units were able to achieve the Architect's design intent aesthetically.

**** ASIA PACIFIC PROPERTY AWARDS 2013 – RADIA BUKIT JELUTONG – BEST COMMERCIAL HIGH RISE DEVELOPMENT IN ASIA PACIFIC & MALAYSIA CATEGORY ****

CASE STUDY: PLATINUM PARK KLCC



Platinum Park, situated in the heart of Kuala Lumpur, consist of one block of 38-storey and one block of 50-storey Office Towers. The two commanding Towers are connected by 9 floors of retail and carpark podium at the ground, in addition to hosting 3 levels of basement carpark. The project cost was estimated to be 500 Million Ringgit Malaysia. G&P Structures Sdn. Bhd. was commissioned by the Client (Naza TTDI Sdn. Bhd.) as the consulting Civil & Structural Engineers for this prestigious project.



To achieve Architect's desired long-span column-free space for the offices, prestressed concrete beam and slab system was adopted. In turn, a shallow floor structure system was achieved and translated to significant cost savings for the Clients as any height reduction will have direct impact on savings in all vertical structural, architectural and building services elements, as well as a reduction in building volume with a consequent reduction in cooling loads.



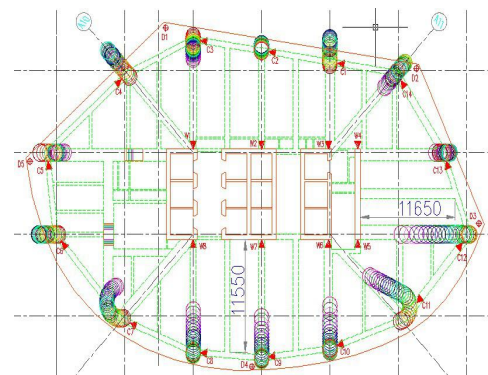
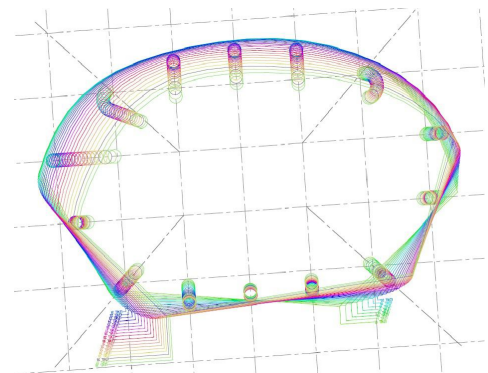
In view that both the Towers comprises of non-symmetrical and varying floor plates with slanting columns at each floor, the Towers were expected to experience more significant differential shortening of vertical elements, i.e columns and walls, at each floor during construction, depending on construction sequence and loadings.

If the shortenings were not given due consideration during construction, problems may develop in the performance of curtain walls and levelness of floor systems, and may cause distress to the mechanical and plumbing lines that are attached.



During the construction phase, it was essential to obtain data on how the building is actually moving compared to theoretical analysis hence floors was regularly surveyed to gain movement trend.

The Contractors were also guided to ensure their construction methods do not cause locked-in stress, which can reduce the design capacity of the structures significantly, and also do not result in overstressing of structural elements at any stage of the project.



**** ASIA PACIFIC PROPERTY AWARDS 2012 – PLATINUM PARK – MALAYSIA'S BEST COMMERCIAL HIGH RISE DEVELOPMENT ****

INNOVATION AND VALUE ADDING

STRUCTURAL INNOVATION

G&P Structures Sdn. Bhd. understands and embraces the fast track delivery process.

We encourage the use of advanced structural analysis to deliver buildable and economical structures. However, the resulting structural solution is developed after taking consideration of all the design and construction governing factors such as:

- Construction Speed
- Construction Technique
- Modularization of System
- Compatibility of System
- Coordination with Building Services

Based on the above we will evaluate and furnish recommendations for the best overall solution to the Clients. We do also provide a considerate number of varying alternative structural solutions for QS cost estimation. These examples include:

- Load Bearing Wall System
- System Formwork
- Band Beams
- Post Tensioned Systems
- Precast Structures

As the options and systems are evaluated, it is evident that there are many other competing parameters such as floor to floor heights, labour and material cost, services integration and planning constraints to be considered. This is where we believe the relevant experience of our Engineers can truly offer the Client a value added proposition.

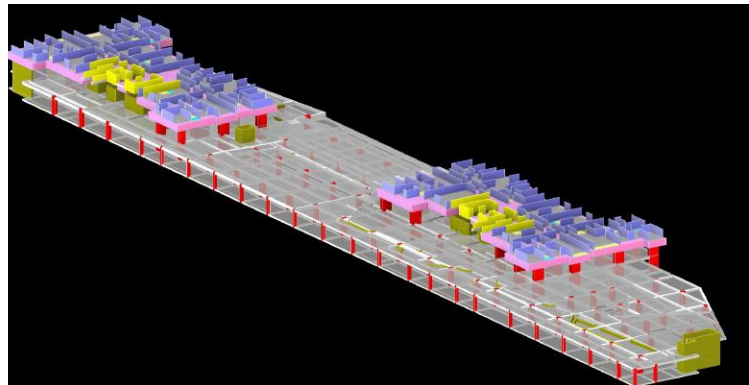
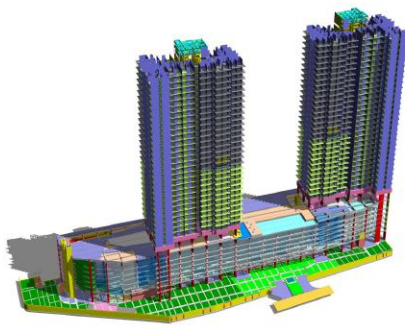
BUILDING INFORMATION MODELING (BIM)

Building Information Modeling (BIM) is an intelligent model-based process that provides insight to help plan, design, construct, and manage buildings by capturing design information in digital prototype.

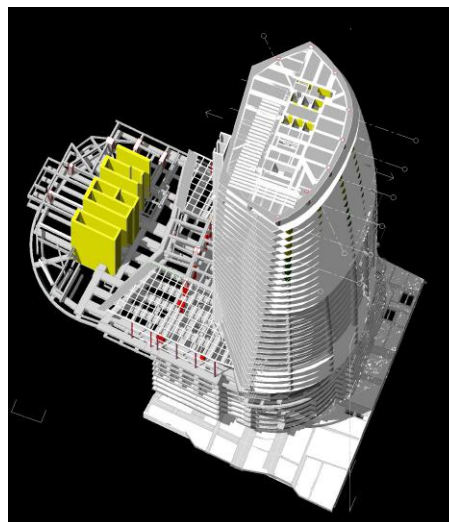
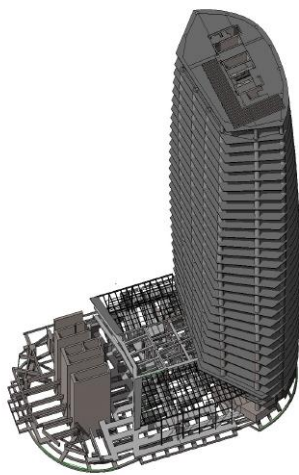


The BIM model is a database of information for all the elements of a Project. This information can be presented in numerous ways such as plans, elevations, sections, details and 3D. The change of an element in one view is automatically updated in all other views, providing us with a better coordinated documentation compared to the traditional 2D CAD process. This allows us to deliver the project faster and more economically.

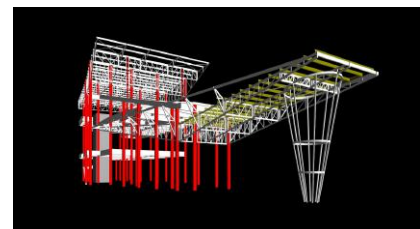
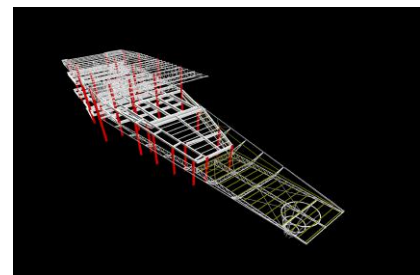
Knowing the benefits of BIM, wherever possible we model 3D prototypes of project buildings in a 3D BIM environment using Revit Structure.



SERINI Melawati

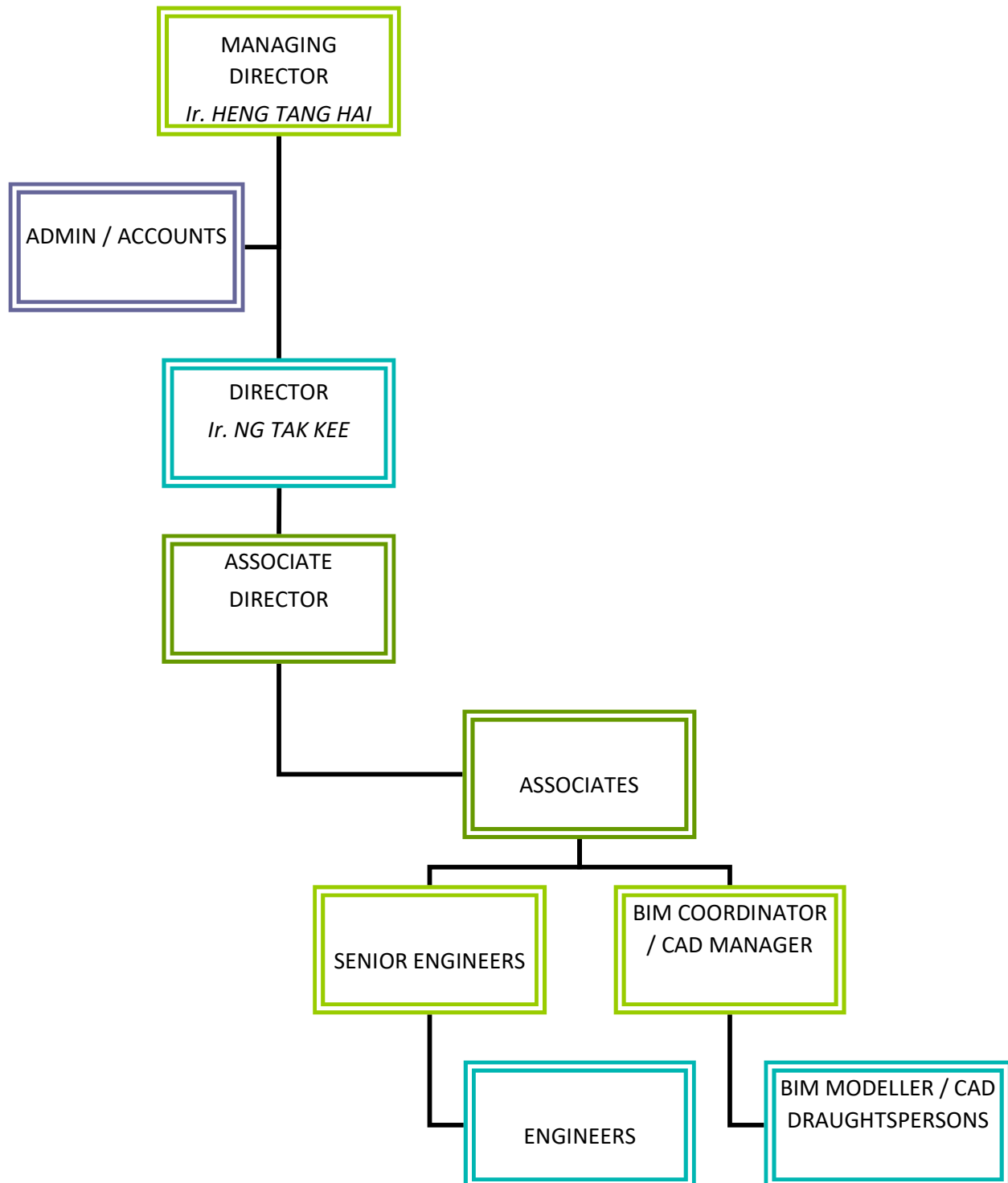


Platinum Park



Paramount Sales Gallery

ORGANIZATION CHART



KEY PERSONNEL

Ir. HENG TANG HAI



Ir. Heng has over 33 years of experience in structural, infrastructure and geotechnical engineering works with reputable engineering consultancy firms. This encompass international operations environment in United Kingdom, Singapore and Malaysia.

Ir. Heng has hands-on experience in design, documentation and supervision of large and high-rise concrete and steel building structures, with deep basement and pile foundation system, and associated infrastructure works.

He is thoroughly familiar with most of the latest sophisticated engineering analysis and design software available in the market.

His ability to lead, analyze and design of large scale projects with economical and innovative solutions have been proven with the various projects that have been completed successfully.

Ir. NG TAK KEE



Ir. Ng has in excess of 30 years of experience in structural and infrastructure engineering works in a wide range of projects, having worked in Taiwan, Guam (Territory of USA) and Malaysia.

His expertise is in the design and supervision of large scale residential and commercial building structures, airport and convention center with deep basement and various foundation systems. His vast experience has also provided much added value to the associated infrastructure works of the projects he has successfully completed.

Ir. Ng has been responsible for the concept design, planning and designing of many of the major building projects within G&P Structures Sdn. Bhd.

QUALITY ASSURANCE & AWARDS



CERTIFICATE



SIRIM QAS International hereby certifies that

G&P STRUCTURES SDN. BHD.
NO. 41-3, JALAN TASIK SELATAN 3
BANDAR TASIK SELATAN
57000 KUALA LUMPUR
WILAYAH PERSEKUTUAN
MALAYSIA



has implemented a Quality Management System complying with

ISO 9001 : 2015

QUALITY MANAGEMENT SYSTEMS - Requirements



Scope of Certification

PROVISION OF CIVIL & STRUCTURAL ENGINEERING CONSULTANCY SERVICES.



Issue date : **25 September 2018**

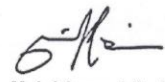
Validity date : **24 September 2021**

Certification No. : **QMS 03294**

SIRIM QAS International Sdn. Bhd.
(Company No. 410334-X)
1, Persiaran Dato' Menteri
Section 2, P. O. Box 7035
40700 Shah Alam
Selangor Darul Ehsan
MALAYSIA

Tel : 60-3-5544 6404
Fax : 60-3-5544 6787

<http://www.sirim-qas.com.my>
<http://www.malaysiancertified.com.my>


Mohd Azanuddin Salleh
Managing Director
SIRIM QAS International Sdn. Bhd.

This certificate is granted subject to the terms and conditions as stated in the Certification Agreement.

Certificate of ISO 9001 : 2015 certified by SIRIM QAS.



SIRIM QAS International Sdn. Bhd. has issued an IQNet recognized certificate that the organization:

G&P STRUCTURES SDN. BHD.
NO. 41-3, JALAN TASIK SELATAN 3
BANDAR TASIK SELATAN
57000 KUALA LUMPUR
WILAYAH PERSEKUTUAN
MALAYSIA

has implemented and maintains a

QUALITY MANAGEMENT SYSTEM

for the following scope:

PROVISION OF CIVIL & STRUCTURAL ENGINEERING CONSULTANCY
SERVICES.

which fulfils the requirements of the following standard:

ISO 9001 : 2015

Issued on : 25 September 2018

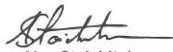
First issued on : 25 September 2018

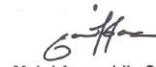
Expires on : 24 September 2021

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as
a stand-alone document

Registration Number : MY - QMS 03294




Alex Stoichitoiu
President of IQNet


Mohd Azanuddin Salleh
Managing Director
SIRIM QAS International Sdn Bhd



IQNet Partners*:
AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CISQ Italy
CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil
FONDONORMA Venezuela ICONTEC Colombia Inspecta Sertifointi Oy Finland INTECO Costa Rica
IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland
NYCE-SIGE Mexico PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* ** The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

Certificate of ISO 9001 : 2015 certified by IQ Net.



Certificate of Outstanding Performance Award From Sunrise Berhad to G&P Structures Sdn Bhd.



Certificate of The Best Project Award (Building Project-Major Category) from CIDB Malaysia to G&P Structures Sdn Bhd as the Project Civil & Structural Engineer for Damansara Uptown Retail Centre (Starling Mall) in The Malaysia Construction Industry Excellence Awards 2018.