



VISION

To obtain the hallmark for quality services, technical excellence, reliability and safety.



OBJECTIVE

To provide innovative & economical designs and to ensure safety & ease of construction.

VALUES

We value our staff for their creativity & commitment to quality.

We instil teamwork in our staff to ensure best solution for our clients.

We uphold integrity in all our dealings with our clients and colleagues.

Quality Service : Our Commitment



corporate *Profile*



G&P Professionals Group consists of the following specialist engineering consulting firms that provide a wide range of quality engineering services :

- G&P Geotechnics Sdn Bhd
- G&P Infra Sdn Bhd
- G&P Claims & Contracts Sdn Bhd
- G&P Project Management Sdn Bhd
- Global Water Consultants Sdn Bhd
- G&P R International (Cambodia) Co., Ltd.
- G&P Highways & Transportation Sdn Bhd
- G&P Dams & Water Services Sdn Bhd
- G&P Professionals (Sarawak) Sdn Bhd
- G&P Professionals (Sabah) Sdn Bhd
- G&P M&E Sdn Bhd
- G&P Energy Sdn Bhd
- G&P MYU Consultants Sdn Bhd
- G&P Bridges & Buildings Sdn Bhd

The Group has a fast expanding pool of highly qualified and experienced Geotechnical, Civil & Structural, Mechanical & Electrical, Infrastructure, Maritime, Water, Highways, Railways & Transportation and Dams Engineers, Engineering Geologists and technical support staff.

The Group has several associated organisations overseas where value added is further enhanced. The project activities are handled by the specialist within the Group that explores innovative economical solutions to the need of the projects. Our research and development has ensured that our services are always at the forefront of world trends.



Board of Directors



Chairman's *message*

Our Services and Culture

We at G&P Professionals Group strongly believe in providing high-quality engineering solutions to meet the increasing challenges of the 21st Century. It is our policy to make our services as efficient and value-added as possible, by making the fullest use of our dedicated staff of highly-trained and motivated engineering professionals.

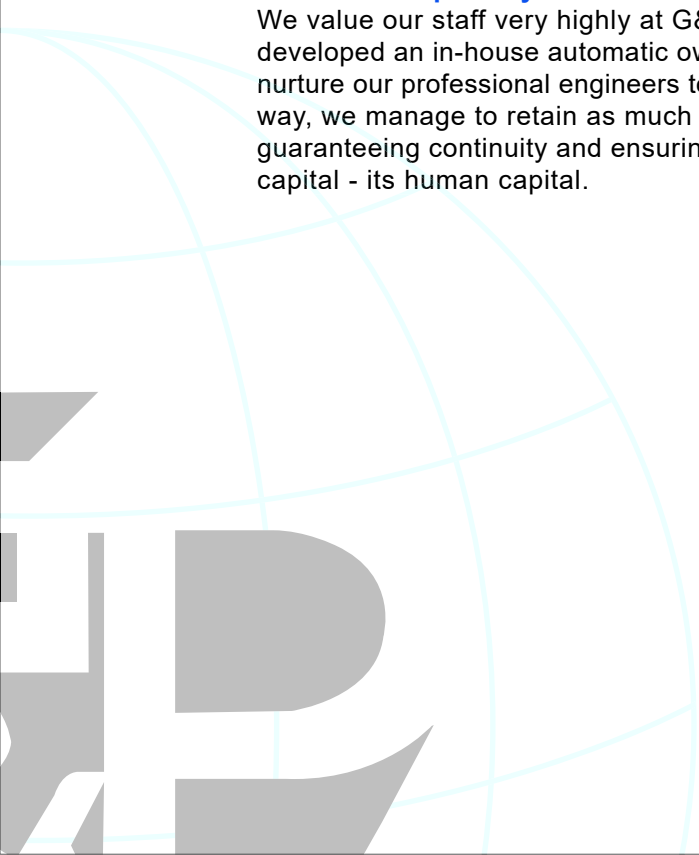
Our Group's culture is very much research and development oriented, meaning that we are constantly learning, innovating and creating new and field-tested techniques and solutions that will meet the changing needs of our clients. We are also dedicated to sharing our knowledge with others in the engineering community, regularly publishing our work in respected engineering journals.

One-stop Engineering Consultancy

G&P Professionals Group is a one-stop consulting group, providing a wide range of engineering specialisms and services under one roof. Because of this, we are able to service our clients better and are better prepared for the liberalisation of professional engineering services. Also, we are free to further expand our services to other countries in the ASEAN region and beyond. Our one-stop nature therefore makes us flexible, versatile and fully international.

Our Ownership Policy

We value our staff very highly at G&P Professionals Group. To reflect this, we have developed an in-house automatic ownership system, which enables us to groom and nurture our professional engineers to become partners and owners of the group. This way, we manage to retain as much high-quality engineering talent as possible, thus guaranteeing continuity and ensuring the sustainability of the Group's most valuable capital - its human capital.

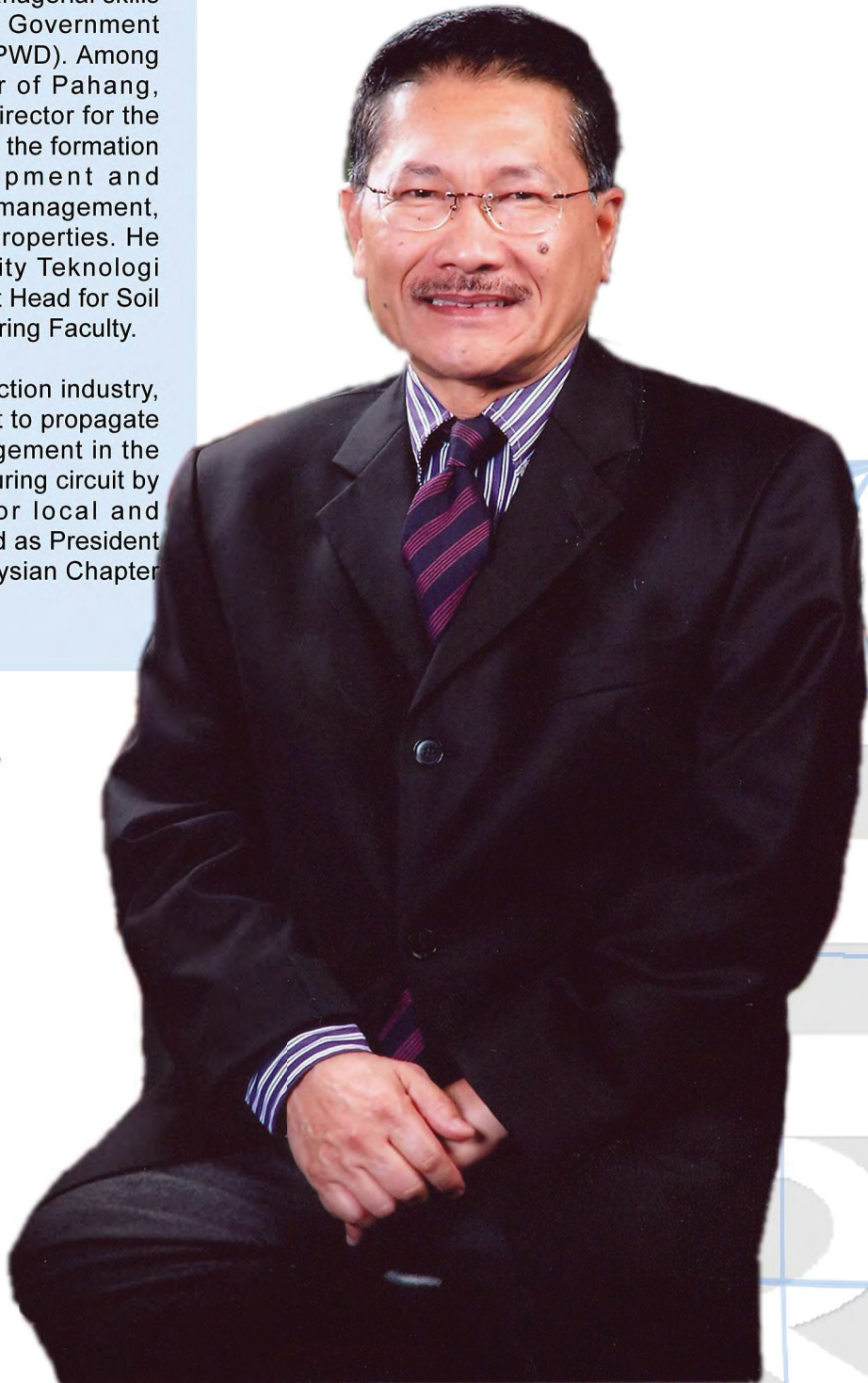


Chairman's *Profile*

Tan Sri Dato' Ir. Jamilus Hussein has vast experience in leading and managing organisations of various nature and is a recognized figure in the construction industry. His most acknowledged accomplishment was leading the development and successful completion of the KL International Airport (KLIA) construction within a timeframe of six (6) years. Costing RM9 Billion, the 25 million passengers per annum airport is one of the most sophisticated in the region. His knowledge of the needs of modern airport is vast in terms of planning and implementation of facilities and systems.

Prior to the KLIA project, Tan Sri Dato' Ir. Jamilus has demonstrated his leadership quality, and managerial skills by holding numerous key positions in the Government particularly the Public Works Department (PWD). Among the posts were the PWD State Director of Pahang, Terengganu and Perak. He was also the Director for the Road Division. His vast experience includes the formation of policies, organisational development and implementation, project and construction management, and facility management of Government properties. He was also a former academia at University Teknologi Malaysia, his last post being the Department Head for Soil Mechanics and Geology in the Civil Engineering Faculty.

As one of the leading figures in the construction industry, Tan Sri Dato' Ir. Jamilus has a keen interest to propagate the professional practice of project management in the industry. In doing so, he is active in the lecturing circuit by giving lectures and seminars in major local and international conferences. He was appointed as President of the Project Management Institution Malaysian Chapter for the 2002/2004 session.



*"Everyone has a little extra. When
combined, all tasks are attainable"*

Tan Sri Dato' Ir. Jamilus Hussein

M.Sc. (New York, Buffalo),
B.Sc. (Strathclyde), Dip.(Tech. College, KL)
PSM., JSM., DIMP., SMT., PMP., AMN.,
FIEM, FIVMM., ASEAN Eng.,
APEC Eng., IntPE, Hon. FAFEO, P. Eng.
Chairman
G&P Professionals Sdn Bhd

Director's *Profile*

Ir. Hj. Hosni Bin Bardan graduated with a Bachelor of Science in Civil Engineering Degree from the University of Glasgow in 1975 and served the Department of Irrigation and Drainage, Malaysia (DID) from graduation until July 2006.

He was a Board Member of The Board of Engineers Malaysia (2002-2003), Vice President of The Malaysian Committee on Irrigation and Drainage (2004-2006) and Chairman of the Board of Directors of the Ministry of Agriculture and Agro Based Industries Cooperative (2001-2006).

His vast experience in Water Resources Works (Irrigation, Drainage, River and Coastal Engineering, Hydrology and Water Resources Assessment), quality and managerial skills led him to hold various key positions in DID. Among the posts he held were DID State Director of Terengganu, Director for Research and Training Division, Director for River Engineering Division, and the Deputy Director General (Operations).

He has represented the Department and The Government of Malaysia internationally in various meetings and workshops. He has also published many technical papers in local and overseas conferences and seminars.



*"Quality Is Not Always Free
But It is Always Cheaper Than the Alternative"*

Ir. Hj. Hosni Bin Hj. Bardan

B. Sc. (Hons) C. Engr. (Glasgow),
Dip. C. Eng. (UTM)
JSM., AMN., AMP., MIEM, P. Eng.
Director
G&P Professionals Sdn Bhd

Chief Executive's *message*

Our History, Core Business

G&P Professionals had its beginning back in 1999 when Gue & Partners Sdn Bhd was established to provide consultancy services in Geotechnical Engineering. We have a healthy committed staff strength ready to provide a wide range of Engineering Consultancy Services to service both our local and international clients and partners.

Our Goals

We are committed to provide **Innovative, High Quality, Cost Effective & Environmental Friendly** Designs with emphasis on Safety & Ease of Construction.

Our Core Values

We believe that Quality Service is a result of continuous dedicated effort that brings tremendous value. We value our staff for their *Creativity, Commitment & Teamwork* towards ensuring the best solution and value for our clients. We uphold Integrity in our dealings with our clients, partners and colleagues, as we believe that it goes a long way in building long lasting relationships.

Our Technological Advantage

Our Technological Advantage lies in our belief in Research & Development to explore new concepts, design technologies and systems while still providing continuous refinement to our existing practices, which would undoubtedly be shared with our clients and partners.

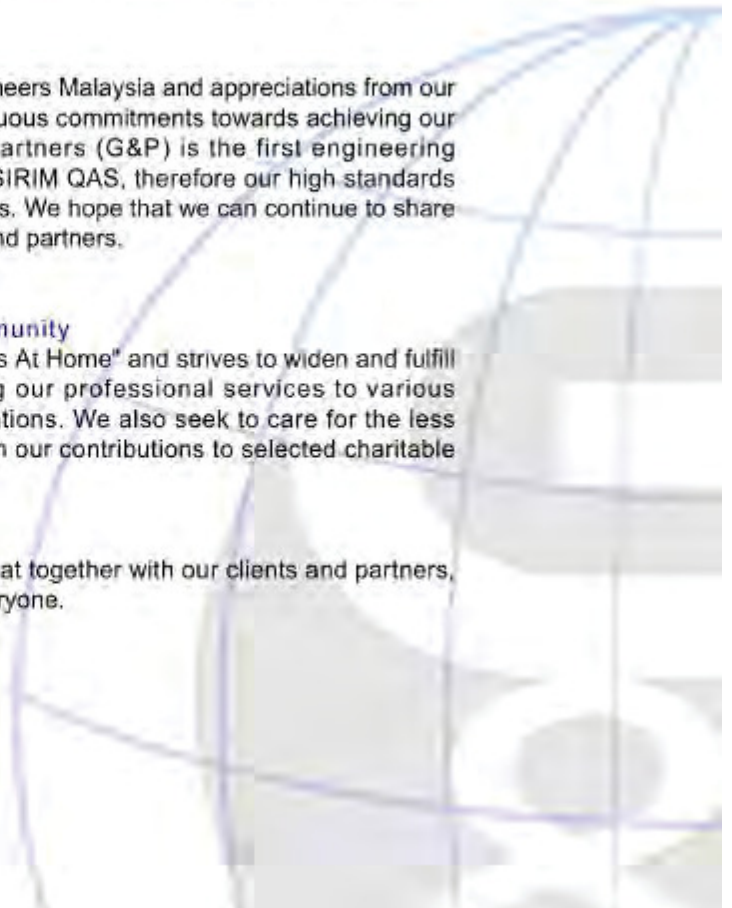
Our Achievements

Awards from the Association of Consulting Engineers Malaysia and appreciations from our partners and clients are testimony of our continuous commitments towards achieving our goals and maintaining our values. Gue & Partners (G&P) is the first engineering consultancy to be ISO 9001:2000 certified by SIRIM QAS, therefore our high standards and their benefits will be passed on to our clients. We hope that we can continue to share our awards and achievements with our clients and partners.

Our Commitment to Society and the Community

G&P Professionals believes that "Charity Begins At Home" and strives to widen and fulfill our contributions to society by volunteering our professional services to various government agencies and non-profit organizations. We also seek to care for the less fortunate and to make a real difference through our contributions to selected charitable organizations.

Our goals and values are clear and we hope that together with our clients and partners, we can build a bright and exciting future for everyone.



Chief Executive's *Profile*

Dato' Ir. Dr. Gue graduated with a First Class Honours Degree from the University of Strathclyde in 1979. He won the Kuok Foundation Postgraduate Scholarship in 1981 and earned his doctorate at Oxford University in 1984. He was conferred the Honorary Doctor of Science by the University of Strathclyde, United Kingdom in July 2006 and was awarded the Construction Professional of the Year Award at the Malaysian Construction Industry Excellence Awards in November 2006.

He is the current chair of the International Professional Engineers Agreement (2017-2019).

He was the President of the Institution of Engineers, Malaysia (2001-2003) and Board Member of The Board of Engineers Malaysia (1993-1998 and 2000-2003). Dato' Ir. Dr. Gue was also International Chairman of the APEC Engineer Register (2001-2005) and a Board Member of the Board of Architects, Malaysia (1994-1998).

Dato' Ir. Dr. Gue is

- Member of National Professional Services Export Council (2002)
- Member of National R&D Council (2002-2004)
- Independent Reviewer for the Ministry of Science Technology and Environment on geotechnical issues related to EIA (since 1998)
- Adjunct Professor at Curtin University of Technology, Sarawak (2003-2008)
- Adjunct Professor at Kolej Universiti Tun Hussein Onn (2005-2005)

He has published more than **89** technical papers, including eight keynotes & special lectures. He is also the member of the Geotechnique Journal Advisory Panel (2002-2008) & Editorial Member of International Journal of Geo - Engineering Case Histories (2004)

*“Challenge the Norm - Excel Through R&D
and Innovation”*

Dato' Ir. Dr. GUE See Sew D.S.P.N. D.S.M.

Hon. D. Sc. (Strathclyde), FASc, D.Phil. (Oxford),
B.Sc. (Strathclyde), Dip. (UTM), FAAET,
Hon. FAFEO ASEAN Eng., Hon. FIEM, FICE, FIES,
F.W.I.F., MACEM, APEC Eng., IntPE (My), P. Eng.
Chief Executive Officer
G&P Professionals Sdn Bhd



Director's *Profile*

Lieutenant General Dato' Wira Ir. Ismail Bin Samion (Ret. RMAF) graduated from the Reading University, United Kingdom as a Mechanical Engineer in 1980.

Having served the Armed Forces of Malaysia for 38 years, his vast experience include as the Chief Engineer of the Royal Malaysian Air Force (RMAF) (1997 – 2000), the Commandant of the Military Academy of Malaysia (MAM) (2001 – 2006) and later as the Vice Chancellor (VC) of the National Defence University of Malaysia (NDUM) in 2006.

Outside the sphere of the military, he had served as the Senior Advisor in Aerospace to the Malaysian Industry – Government Group for High Technology (1995 - 2002), a member of the Board of Engineers, Malaysia (2005 - 2007) and Council member of the Institution of Engineers, Malaysia (2012 - 2014). He also participated actively in supporting the activities of the Construction Industry Development Board (CIDB) in the capacity of a panel assessor (2005 - 2010).

He has also contributed to the development of the engineering education as an Accreditation Panel member in Mechanical Engineering for the Engineering Accreditation Council (EAC) (2009 to date).

*“We are what we repeatedly do.
Excellence, then, is not an act, but a habit”*

Lt. Gen (R) Dato' Wira Ir. Ismail Bin Samion

B. Sc. Hons (Mechanical Engineering),
Reading University, UK
Executive Masters in Business Administration
(EMBA)
Ohio University, USA
Director
G&P Professionals Sdn Bhd



Director's *Profile*



DATUK WIRA IR. MD. SIDEK AHMAD graduated with Bachelor of Science (Hons) majoring in Electric & Electronic Engineering from University of Manchester Institute of Science and Technology UK in 1975 and later obtained his Corporate Master of Business Administration from University of Ohio (Athens, USA) in 1995.

Datuk Wira Md. Sidek bin Ahmad has served the national power utility, Tenaga Nasional Berhad (TNB) formerly known (before corporatisation and privatisation) as National Electricity Board (NEB) since 1975 until his retirement in 2009. While in NEB and TNB, he held several important posts in Customer Services, System Planning, Construction and Operation/Maintenance and Senior Management at District, State and Head Office levels including the top management post as Vice President (Distribution / Customer Services) in 1998 - 2002, Vice President (Corporate Services, Planning and Development) 2002 - 2006 and Senior Vice President (Operations & Technical) 2006 - 2009. He was also seconded to serve Sabah Electricity Board (SEB) 1983-1987 as the Chief Engineer Planning and Development.

He was the Chairman of the AESIEAP Technical Committee for year 2004 - 2009, Country Coordinator for Heads of ASEAN Power Utilities Authority, Malaysia (HAPUA), Chairman of the ASEAN Power Grid Consultative Committee (APGCC) from 2008 to 2009 and Committee Member for the Drafting of ASEAN Plan of Action on Energy Cooperation (APAEC) 2010-2015. He sat on various other national committees and has served as Excomm and Council members of the Institution of Engineers, Malaysia (IEM) and as Board member of the Board of Engineer Malaysia (BEM)

Currently he is in the Board of Director and Advisory panel of a few national companies and a serving Council member of IEM and a Board member of BEM. He also currently Chair the Engineering Accreditation Council and Engineering Technologist Accreditation Council and on the National Monitoring Committee for BEM.

*“Creativity, Attitude, Quality and Commitment
are the key to success”*

Datuk Wira Ir. Md. Sidek b. Ahmad

B.Sc (Electrical & Electronic) (UMIST),
CMBA (Ohio), FIEM, P.Eng
Director
G&P Professionals Sdn Bhd

Profile of *board of directors*

Ir. Dr. Tan obtained his B. Eng. (Civil) degree with First Class Honours from Universiti Teknologi Malaysia (UTM) in 1992. In 1994, he was awarded the Chin Fung Kee prize and M. Eng. (Geotechnical Engineering) from the Asian Institute of Technology (AIT), Bangkok. He later obtained his Engineering Doctorate from UTM in 2017.

Ir. Dr. Tan's impressive portfolio includes geotechnical design of Berjaya Times Square, 1200 acres Bandar Botanic, ground treatment of 200 km Electrified Double Track Railway, reclamation in Penang, three underground stations of KVMRT SBK Line; and Tunnel, Ancillary Structures and 2 underground stations of KVMRT SSP Line.

Ir. Dr. Tan is a Professional Engineer and an Accredited Checker (Geotechnical) registered with the BEM. A registered ASEAN Chartered Professional Engineer (ACPE) as well as in the APEC Federation of Engineering Organisations (AFEO), Fellow of ASEAN Academy of Engineering & Technology (AAET).

Ir. Dr. Tan has published more than 70 technical papers on geotechnical engineering in local and overseas conferences and seminars.

Ir. Dr. Tan has held the following positions :

- President of the Institution of Engineers, Malaysia (IEM) (2016-2018)
- Board Member of the Board of Engineers, Malaysia (BEM) (2007-2012 & 2013-2017)
- Board member of the Board of Architects, Malaysia (BAM) (2008)
- Secretary General of Federation of Engineering Institutions of Asia and the Pacific (FEIAP) (2007-2018)
- Secretary General of Asean Federation of Engineering Organisations (AFEO)(2007-2010)
- Chairman, Professional Practice Committee, BEM (2008-2012, 2013-2017)
- Member, Expert Panel to Review Malaysian Construction Industry Practices appointed by th Minister of Works, Malaysia (2013-2014)

“ Knowledge is a never-ending quest ”

Ir. Dr. Tan Yean Chin

Eng. D., M. Eng., B. Eng. (Hons), P. Eng.,
FIEM, FAAET, MCI Arb., MACEM, APEC Eng.,
IntPE (My), ACPE, Hon. FAFEO, ASEAN Eng.
Founder & Senior Director

G&P Geotechnics Sdn Bhd



Profile of *board of directors*

Ir. Liew obtained his B. Sc. Degree in Civil Engineering with First Class Honours from National Taiwan University in 1991. He later obtained his M. Eng. Sc. in Geotechnical Engineering from the University of New South Wales, Australia in 1993.

Ir. Liew's extensive experience includes involvement in many mega projects such as Sentul Raya Development (RM1.2 billion), Lebuhraya Damansara Puchong, Pelabuhan Tanjung Pelepas, Sungai Selangor Dam, Kuala Terengganu Draw Bridge Alternative Foundation, Mine Tailing and Landfill Containment Facilities, East Coast Rail Link Project, Xiamen University Malaysia Campus, Malaysia Vision Valley, other industrial structures and geotechnical forensic investigation. One of his projects won The Award of Commendation (2002) from the ACEM for the innovation of alternative foundation design for a palm oil mill in Indonesia.

He has published many technical papers in both local and overseas conferences and seminars. In year 2005, he won the Ir. Tan Sri Hj. Yusoff Prize for an outstanding technical paper.

He was the chairman (year 2011 to 2014) and advisor (2014 to 2017) of Geotechnical Engineering Technical Division of The Institution of Engineers, Malaysia. Presently, he is the deputy president of Malaysian Geotechnical Society.

*“Creativity, Attitude, Quality and Commitment
are the Key to Success”*

Ir. Liew Shaw Shong

M. Eng. Sc. (UNSW), B. Sc. (NTU),
FIEM, MACEM, APEC Eng., IntPE., P. Eng.
Founder & Senior Director
G&P Geotechnics Sdn Bhd



Profile of *board of directors*

“Engineering projects must be technically sound, economically viable, socially acceptable and environmentally sustainable”

Ir. Tan received his Bachelor's Degree in Civil Engineering from Universiti Teknologi Malaysia in 1992. Upon graduation, he worked with various engineering consultancy firms before forming G&P Infra Sdn Bhd in January 2005. Ir. Tan has gained extensive experience in various government and private sector projects mainly in infrastructure and structural engineering works. Some of the projects he is/was involved are the Northwest Corner Development at Damansara Perdana, Air Products Hydrogen Plant at Pulau Indah, 105 Acres Mixed Development at Paya Rumpit (Melaka), C.I.Q. Complex and Staff Housing for LINKEDUA, 360 Acres Ledang Height Bungalow Resorts, Sebana Golf and Marina Resorts in Johor.



Ir. Tan Kok Leong
B. Civil Eng. (Hons) (UTM)
MIEM, P. Eng.
Managing Director
G&P Infra Sdn Bhd

“Excellence is the result for those who make their best to work things out”



Ir. Lim Choon Lin
B. Sc. Eng. (Hons) (Edinburgh),
MIEM, MICE, C. Eng., P. Eng.
Technical Director
Global Water Consultants Sdn Bhd

Ir. Lim graduated with a Bachelor's Degree in Civil Engineering from the University of Edinburgh in 1981. He has wide-ranging experience in both managing and designing maritime projects. Prior to joining G&P Water & Maritime Sdn Bhd, he worked in a multi-disciplinary engineering consultancy firm and a public listed company involved in local and international turnkey as well as design and build projects. Amongst the most notable projects he was involved are the coastal reclamation for port facilities in Selangor, coastal runway extension for Kota Kinabalu Airport, and RSYC's new marina, Pulau Indah, Selangor.

Profile of *board of directors*



Ir. Lim Eng Chong

B. Eng. (Hons), LLB (Hons),
MIEM, CLP, P. Eng.

Advocate & Solicitor (not practicing)

Director

G&P Claims & Contracts Sdn Bhd

*“Engineering projects must be technically sound,
economically viable, socially acceptable and
environmentally sustainable”*

Ir. Chong obtained his B. Eng. (Hons. Civil) from the University of Malaya in 1978 and M. Sc (Irrigation Engineering) from KU Leuven, Belgium in 1991. Ir. Chong served in the Department of Irrigation & Drainage (DID) from 1978 to 2003, holding various positions. He was involved in numerous projects on Hydrology, Water Resources, Flood Mitigation, Irrigation and Drainage. Some of the notable projects involved include the hydrological design/review for KLIA, KTM Double Track, Bakun, MASMA, SMART and many other flood mitigation and dam design projects. Ir. Chong participated actively in regional and international activities. Since co-founding G&P Water in 2006, he has been involved in more than a hundred projects on hydrology and hydraulics.

*“Thy right is to work only, but never its fruits;
let not the fruits of action be thy motive”*

Ir. Lim received his B. Sc. in Civil Engineering from UMIST and his LLB Degree from the University of Wolverhampton. He passed his Certificate in Legal Practice examination and was called to the Malaysian Bar in 2003. Amongst the notable projects he was involved are the East West Highway, Sri Manjung District Hospital, Sg. Ahning Dam, North South Highway, National Sports Complex, the Commonwealth Games Village, and the settlement of disputes involving a Singapore MRT underground station. He has also been involved in oil and gas projects, negotiating and drafting of contracts which included a toxic waste treatment plant and drafting standard conditions of sub-contract for a major construction company. Ir. Lim is the co-author (with Mr. Lim Chong Fong) of Halsbury's Laws of Malaysia "Building Construction" title for 2006.



Ir. Chong Sun Fatt

M. Sc. (KUL), B. Eng. (Hons) (UM),
MIEM, P. Eng. CPESC, CPSWQ

Principal Adviser

Global Water Consultants Sdn Bhd

Profile of *board of directors*

*“ There can be no direction without goal,
and no goal without dream ”*

Ir. Saw obtained his Bachelor's Degree in Civil Engineering from Universiti Teknologi Malaysia in 1994. He has accumulated extensive experience working in design offices and project sites with various consulting engineering firms as design engineer and senior resident engineer. Ir. Saw has accumulated extensive experience working in various infrastructure projects. Some notable projects he was involved are the C.I.Q. Complex for LINKEDUA, the extension of Senai Airport, the New Bintulu Airport, upgrading of federal route 1 (from P124 junction to Bulatan Bukit Tengah, Penang), the upgrading of Sg. Palembang & Sg. Damansara, 360 acres Ledang Height Bungalow Resorts, Sg. Kapar Indah (Phase 1 & 2) and Sime UEP developments.



Ir. Saw How Teong
B. Eng. (Hons), MIEM, P. Eng.
Director
G&P Infra Sdn Bhd



Ir. Lee Choy Hin
B. Sc. Eng. (Hons) (Aberdeen)
M. Sc. (Transport Planning & Engineering)
(Leeds) F.I.E.M., M.I.H.T., P. Eng.
Managing Director
G&P Highways & Transportation Sdn Bhd

“If better is possible, good is not enough”

Ir Lee graduated with B.Sc.Eng.(Hons.) degree from the University of Aberdeen, U.K. in 1981. He joined the Public Works Department (JKR) Malaysia since then until 1989. He was awarded the Federal Government Scholarship in 1987 to pursue post-graduate studies graduating with M.Sc. (Transport Planning and Engineering) degree from the Institute for Transport Studies, University of Leeds, U.K. He accumulated extensive experience in transport planning, traffic studies and urban traffic management, planning and design of roads specializing in alignment and junction studies; while serving the government and subsequently in private practice. He was actively involved with the formulation of JKR departmental road design and safety guidelines and standards in the mid-eighties. Ir Lee has been team leader for several major transport and traffic studies and road design projects both local and overseas; some of which were carried out in association with international consulting firms.

Profile of *board of directors*



Ir. Lim Sin Poh

M. Eng.(NTU), B. Eng. (Hons) (UTM)
Managing Director
Global Water Consultants Sdn Bhd

“Excel through teamwork, continuous learning and improvement”

Ir. Lim graduated from Universiti Teknologi Malaysia with a B. Eng. (Civil) and completed his post-graduate studies in Nanyang Technological University, Singapore, graduating with a M. Eng. (Civil). He has more than fifteen years of experience in engineering consultancy and four years of experience in the construction industry.

Ir. Lim started his career as a hydrology and hydraulic engineer. He ventured into civil and structural engineering consultancy before entering the construction line, and finally specialized in water engineering consultancy services.

“Serve with Honour, committed to Excellent”

Ir. Kho Lip Khiong graduated with Bachelor of Civil Engineering Degree from Universiti Teknologi Malaysia in 1992. He obtained his Graduate Diploma on Surface Water Hydrology from the University of New South Wales, Australia in 2002 and completed his Master of Engineering in ERP from Universiti Putra Malaysia.

Ir. Kho gained his experience in water supply management & operation and project management through various careers in state government organizations, namely SESCO, JKR and LAKU Management Sdn Bhd.

He was also a local partner of an International Consultant and has successfully expanded the business to more than 200 people and the firm has secured a few significant government projects.

His areas of interest are water resources, water supply engineering, project management, dams and feasibility study. He is currently holding a Captain Rank in Territory Army, Regiment of Malaysia Royal Engineers Army, Council Member (2007-2009) and also the Treasury General



Ir. Kho Lip Khiong

B.E. (Civil), GCH, MSc, MIEM,
P. Eng, MACEM, MMWA
Managing Director
G&P Professionals (Sarawak) Sdn Bhd
Director
G&P Dams & Water Services Sdn Bhd

Profile of *board of directors*

“The quality of a person’s life is in direct proportion to their commitment to excellence, regardless of their chosen field of endeavor”

Ir. Leong Choon Kee obtained his Bachelor of Civil Engineering from University of Technology Malaysia in 1991. He has extensive and wide range of experience in planning, feasibility study, water supply distribution study, design, implementation and contract administration of large scale water supply schemes.

Some of the major water supply projects that he was involved are Langat II Distribution System (Western Corridor), Semangar Water Supply Scheme, Ganchong Water Supply Scheme, Miri Water Supply Source Development Phase 2 Works, Water Supply Demand and Distribution Study for Negeri Sembilan and Iskandar Development Region Johor, Tajura and Benghazi New Town Housing Development Libya..



Ir. Leong Choon Kee
B. Eng (Hons) Civil,
MIEM, P.Eng, MMWA, SPAN QP
Managing Director
G&P Dams & Water Services Sdn Bhd



Ir. Lai Sze Ching
LL.B, LL.M, Dip ICARB, CLP, B.Eng, PE, FCIARB,
FMIARB, FMSAdj, FAiADR, Hon FAFEO, FIEM, ACPE
Managing Director
G&P Project Management Sdn Bhd

“Success is the result of perfection, hard work, persistence and learning from failure persistence”

Ir. Lai Sze Ching is a Professional Engineer with Practicing Certificate and an Asean Chartered Professional Engineer. He holds a degree in Engineering, LL B, LL M and a Certificate of Legal Practice. He also holds a Diploma in International Commercial Arbitration (UK). He is an Honourable Fellow of AFEO, Fellow of IEM, Chartered Institute of Arbitrators (UK), Malaysia Institute of Arbitrators, Malaysia Society of Adjudicators.

He has more than 30 years working experience in the field of project management, contract management, construction and property development. Over the years, he has completed numerous engineering projects in Malaysia, Singapore, Hong Kong, Taiwan and China. He is also acting as an Arbitrator, Adjudicator and Mediator in resolving construction disputes between the contracting parties.

Profile of board of directors



Ir. Lalchand Gulabrai
P. Eng., FASc, MIEM
Technical Director
G&P Professionals Sdn Bhd

“There is NO limit to what people can achieve if they don't care who gets the CREDIT”

Ir. Lalchand graduated from the Brighton College of Technology in 1963 with a Diploma in Electrical Engineering.

He served the local power utility (CEB, LLN & TNB) in diverse engineering & management roles covering Distribution, Corporate Planning and Corporate Audit until he retired in 1994 as the Chief Auditor. He was then engaged on contract works until end of 1999 on special assignments.

He then served with Danish Consultants on Energy Efficiency (EE) related projects for the then KTAK (Ministry of Energy, Water & Communications), including the design of its Low Energy Office in Putrajaya, and the Energy Commission (EE/DSM project) from 1999 to 2005.

He was also engaged in Management & Engineering Efficiency Audits of TNB & GMSB with Deloitte Consulting, and in the development of Malaysia's first biomass, renewable energy (RE) power plant in Kunak, Sabah.

Before joining ZED/G&P in 2009, he was a Technical Advisor to the UNDP/GEF supported MBIPV project from 2006 to 2010, while also advising on EE & RE issues for KeTTHA. He is still passionately involved in EE & RE issues for a sustainable future.

“Nothing great is ever achieved by an individual alone. Everyone needs teammates”

Ir. Chow Chee Meng obtained his Bachelor of Engineering (Civil) from University of Malaya and won the Chan Sai Soo Prize for the best engineering undergraduate thesis. He started his career with G&P Geotechnics, an independent consulting company specialising in Geotechnical and Geo-Environmental Engineering before joining Technip, the largest integrated offshore and onshore engineering contractor in South East Asia for the design and construction of hydrocarbon field development, oil refining, gas processing, petrochemicals and industrial plants and facilities. He subsequently rejoined G&P Geotechnics in 2005.

He has written numerous papers on engineering subjects ranging from R&D to geotechnical engineering in international and local conferences and journals. His research interests include deep excavation, jack-in pile, piled raft and soil nails.

He was involved in numerous award winning projects which include Bandar Botanic, Klang (ACEM Silver Award of Merit-2006), Sg. Damansara Flood Mitigation (ACEM Gold Award of Special Merit-2010) and Outstanding Performance Award 2009 from Sunrise Berhad as the best geotechnical consultant (G&P Geotechnics Sdn Bhd).



Ir. Chow Chee Meng
B. Eng. (Hons) (Civil) (Malaya)
P. Eng., MIEM
Director
G&P Geotechnics Sdn Bhd

Profile of *board of directors*

“Going Green is the Right Step Ahead”

Ir. Tan graduated in 1995 with a Bachelor of Mechanical/System degree from Universiti Pertanian Malaysia.

He has vast experiences in planning, design and implementation of Mechanical and Electrical Systems in particular for Buildings both government and private developments.

Currently, he is involved in the Green Building Index (GBI) that focuses on increasing the efficiency of resource use – energy, water, and material.

Besides, he also conducts building energy audit to trouble shoot and add value to the building operation and maintenance.



Ir. Tan Wee Keong

B. Eng. (Hons) Mechanical/System
GBI Facilitator
P.Eng., MIEM, MASHRAE
Director
G&P M&E Sdn Bhd



Dr. Nazrin Balasekaran

Ph.D. Polymer Science (PRI London)
Director
G&P MYU Consultants Sdn Bhd

“Everyone who consider themselves a realist will be forced to justify their behaviour in light of their contribution toward the preservation of the environment”

After leaving the Government Service, having worked in several research institutes for 15 years, ventured into business as an independent consultant for several Public Listed Companies and State Government Corporations.

Areas of specialization include project evaluation, market studies, project proposal, project risk analysis and technology evaluation.

Presently involved in several projects related to green technologies and cleaner environment, such as low emission diesel in water emulsion and water purification techniques for shrimp farming and agriculture.



Professional Services





Professional *services*



G&P Professionals is a multi-discipline engineering consultancy group that is able to provide engineering services in the areas of :

- Civil
- Structural
- Mechanical
- Electrical
- Environmental
- Infrastructure
- Water Resources
- Dams
- Flood Mitigation
- Highways, Railways & Transportation
- Geotechnical
- Geo-Environmental
- Marine Engineering
- Claims & Contracts
- Research & Development
- Underground Construction including Tunnels & Caverns
- Coastal and Offshore Hydraulic Engineering & Research

Our extensive local and international experience on the above professional services allows us to provide combined engineering services to our clients at all of the following stages:-

- Feasibility Study
- Conceptual Design
- Preliminary Design and Analysis
- Design Review
- Detailed Design and Analysis
- Construction Administration and Supervision
- Risk Management
- Claims & Contracts
- Project Management

In all of G&P Professionals' undertakings, we aim to provide high quality and value-added engineering services coupled with [technical excellence](#), [constructability](#) and [safety](#) to satisfy our clients' needs.

highrise structures



Axis Pandan



KDS, Sunrise Mon't Kiara



Solaris 2 Dutamas

Infrastructures



Jadehill



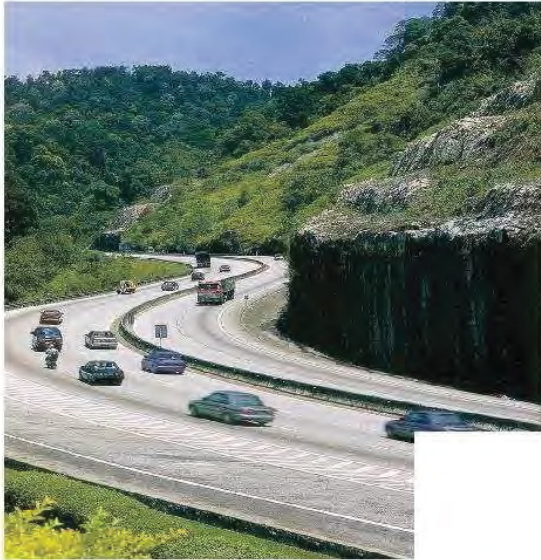
Bandar Botanic



Northwest Corner, Damansara Perdana



highway and railway transport



Plus Highway
North-South Expressway

Cut & Cover
LRT Tunnel
Putrajaya



Pulau Indah Interchange

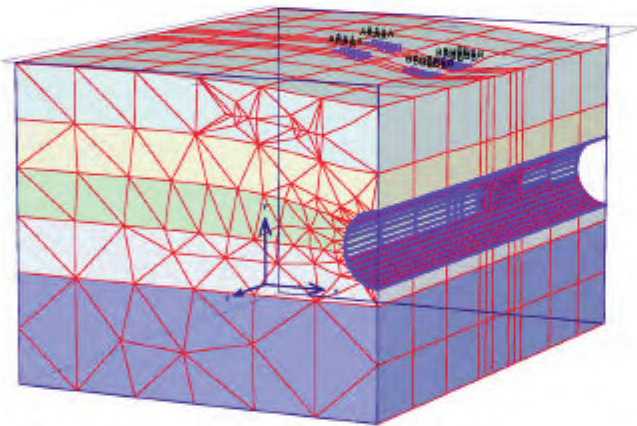
Electrified Double Track Project
(Padang Besar - Ipoh)



dams and tunnels



Sungai Selangor Dam
Kuala Kubu Bahru



SMART TUNNEL
3D Analysis of Tunnel in Effects

Monitoring of
Putrajaya Dam



geotechnical and foundation



Berjaya Times Square, Jalan Imbi



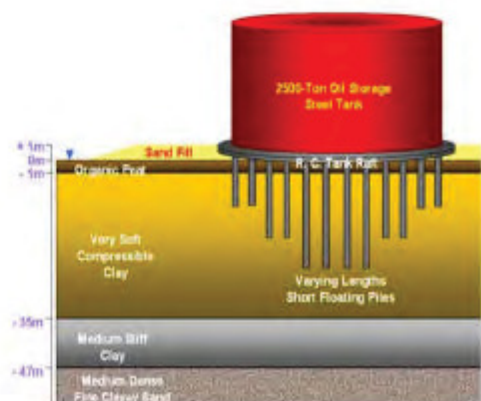
Investigation of Highland Tower 1 Collapse



Investigation of Bukit Antarabangsa Failure



Indonesia Pulau Palm Oil Mill



maritime and
water

Selangor Flood Mitigation
Malaysia

Jetty upgrading Lumut, Perak

Flood Mitigation & Maintenance Scheme for Kelantan Darul Naim



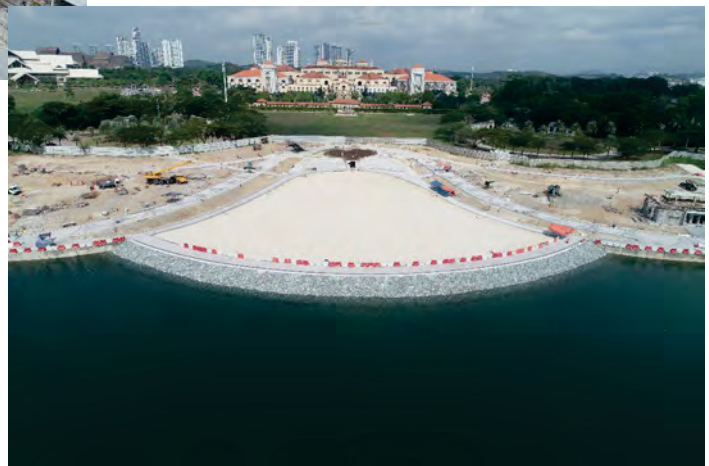
Reclamation



Land Reclamation for Queens Waterfront, Penang



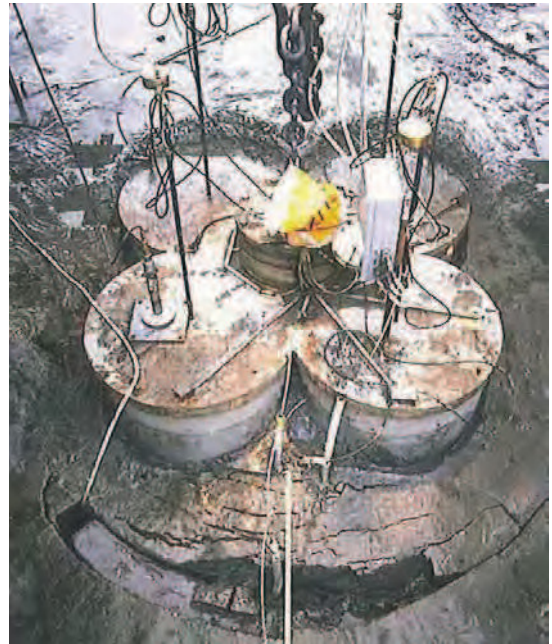
Land Reclamation for Puteri Harbour, Iskandar Puteri, Johor



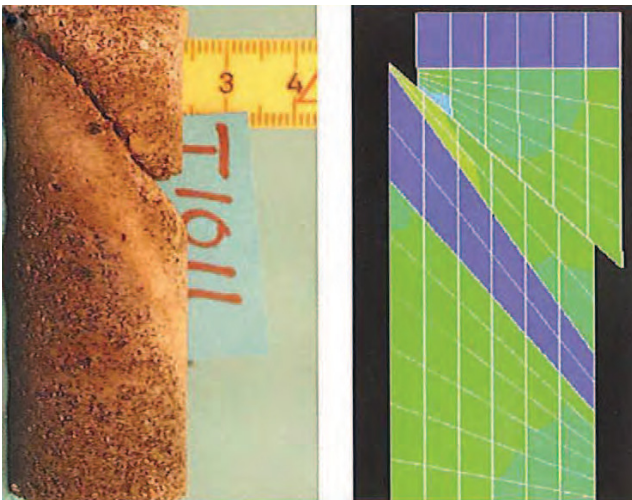
Offshore Geotechnics



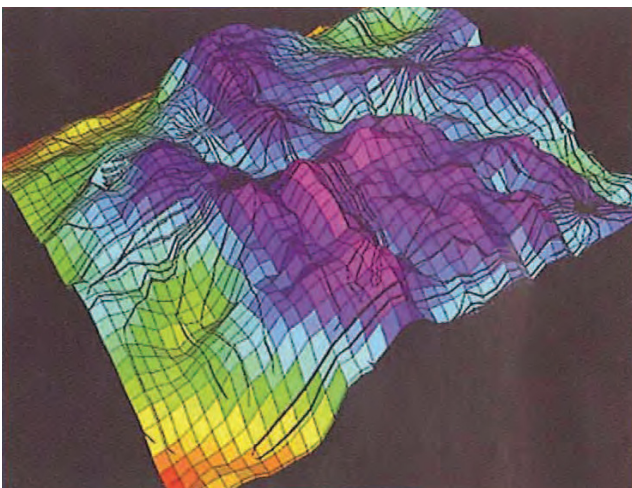
Skirted anchors to be installed at the Njord Field



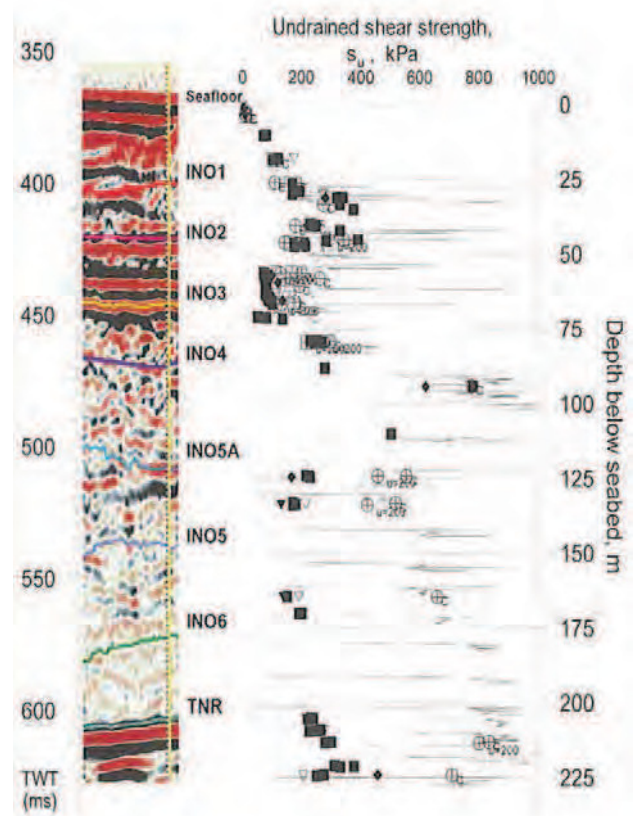
Model test for skirted anchor



Triaxial specimen and failure model



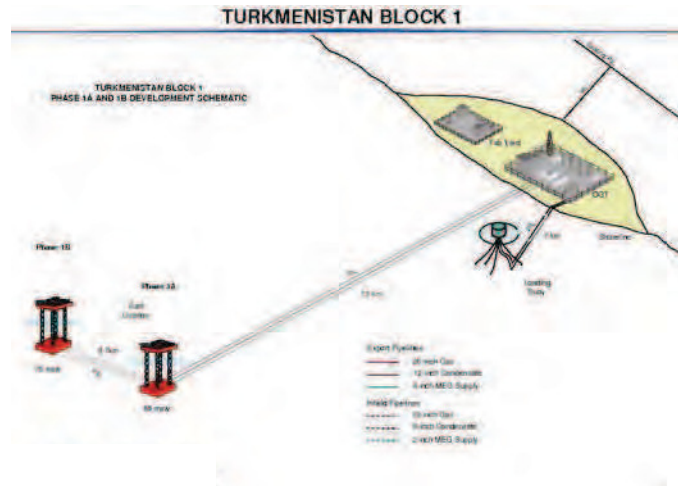
Analysis of fluid migration in faulted reservoir



Soil parameter evaluation from in-situ CPTU testing

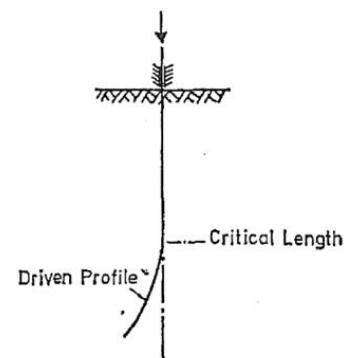
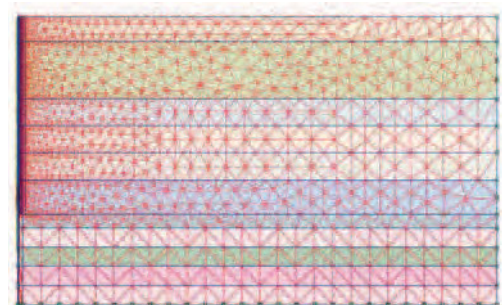
Offshore Geotechnics

Turkmenistan



NGI-G&P's Director, Ir. Chow Chee Meng was involved in the project while working for Technip. Project consists of a self installing platform in approximately 65 m water depth, offshore pipeline, onshore gas plant and fabrication yard in a seismically active region.

Kebabangan Project, Sabah



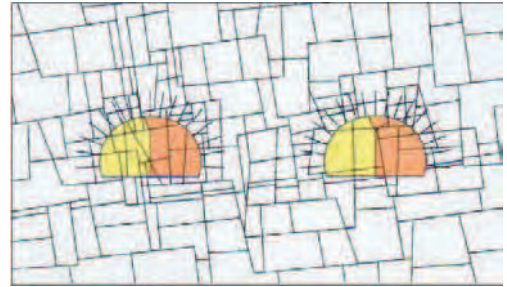
Profile of perfect pile after instability at a critical depth

Geotechnical study on the use of close-ended conductor for Kebabangan Project, Sabah

Tunnels & Underground Facilities



New 22 m span metro station in downtown Oslo constructed with cover of only 3-5 m of poor quality rock; reinforced shotcrete ribs were used for temporary and permanent support.



Analysis of stress conditions and optimisation of support for twin tunnels in Hong Kong.



The Olympic rock cavern in Gjøvik, Norway, with 62 m span and 91 m length, is the world's largest rock cavern for public use.



Portal for the world's longest road tunnel, the 24.5 km Lærdal tunnel in western Norway built in 2001

Use of underground space (basement) in Hong Kong



Environmental Technology



Disposal of contaminated river sediments (Norway)



Excavation of contaminated ground before remediation



Installation of groundwater wells for environmental site assessment



Environmental monitoring in Arctic areas (northern Norway)



Remediation assessment for waste disposal sites

Earthquake Engineering & Tsunami Assessment

Vietnam



Ecopark, Hanoi. Design of foundations in seismically active soft ground area.

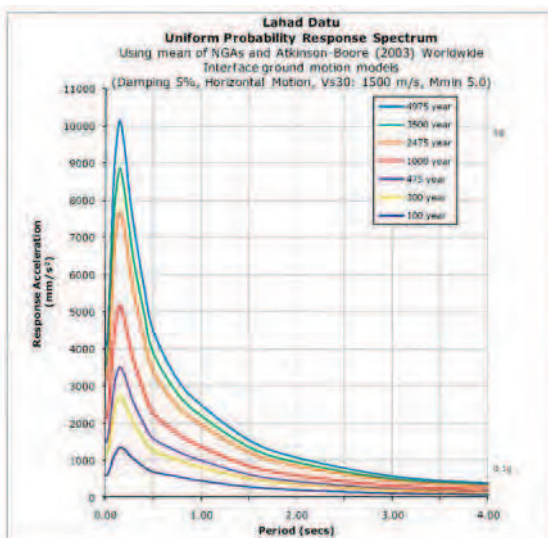


Yenso Park, Hanoi. Design of foundations in seismically active soft ground area.

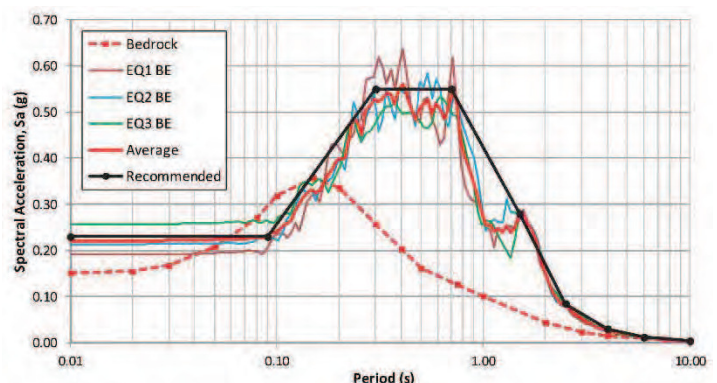
Lahad Datu, Sabah, Malaysia



Lahad Datu, Sabah, Malaysia. Earthquake hazard analyses for the Lahad Datu LNG terminal. Probabilistic Seismic Hazard Analysis (PSHA) to establish the earthquake acceleration response spectra at the site on bedrock. Establishing site-specific soil profiles based on the results of geotechnical site investigations, and performing site response analyses to compute the design response spectra on the seabed.



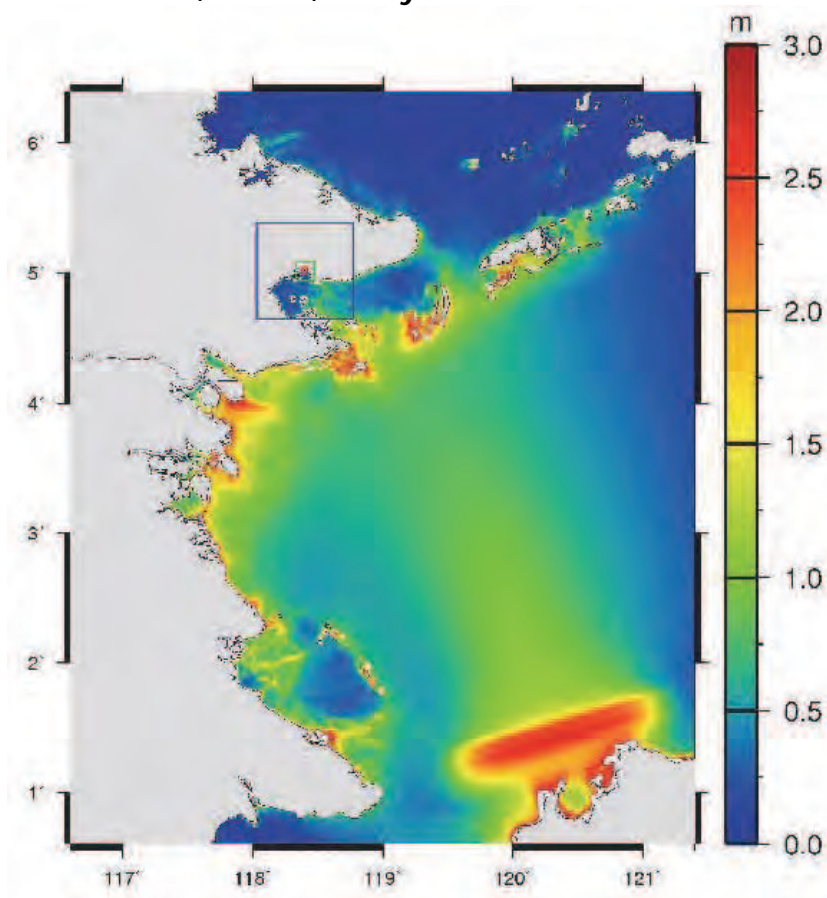
Probability response spectrum up to 4975 years.



Horizontal acceleration response spectra on seabed.

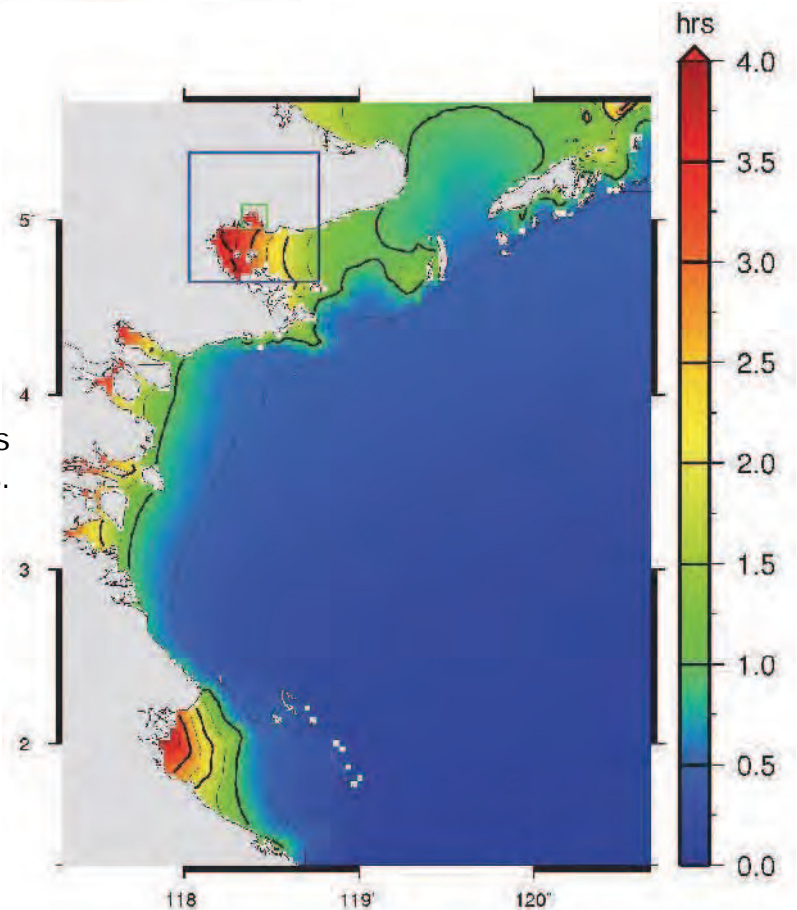
Earthquake Engineering & Tsunami Assessment

Lahad Datu, Sabah, Malaysia

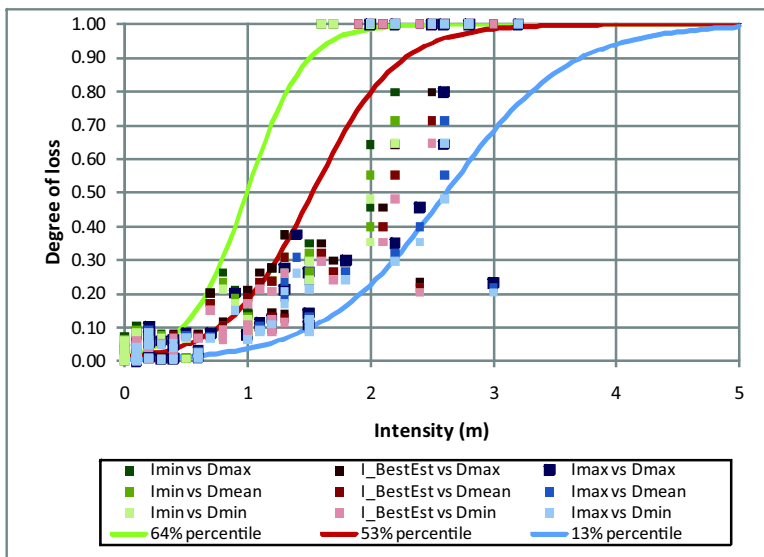


Tsunami assessment for the Lahad Datu LNG Terminal, figure showing the simulation of maximum wave elevation during the first six hours.

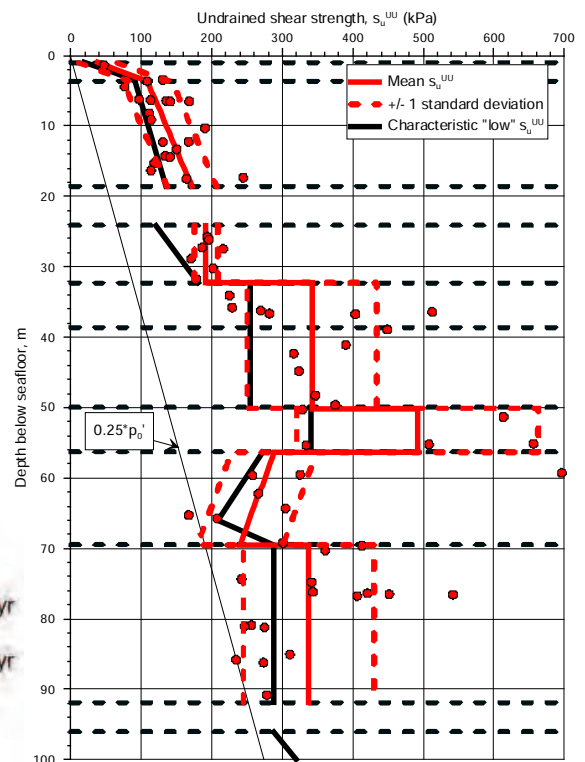
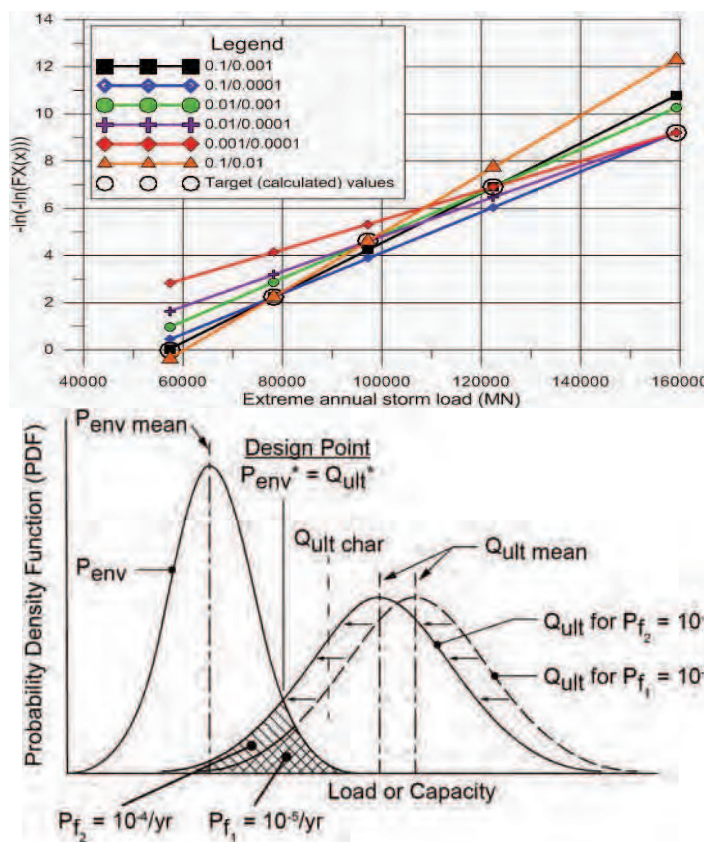
Simulation of tsunami arrival times in hours.



Risk Assessment and Management

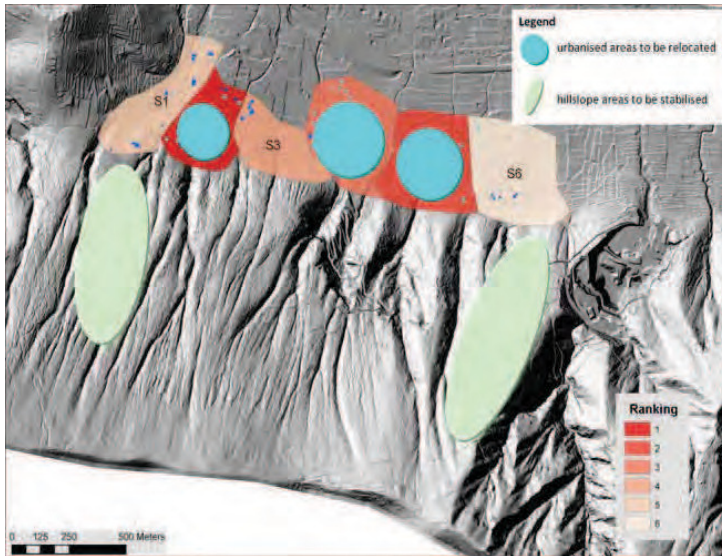


Vulnerability assessment of buildings as function of debris flow intensity



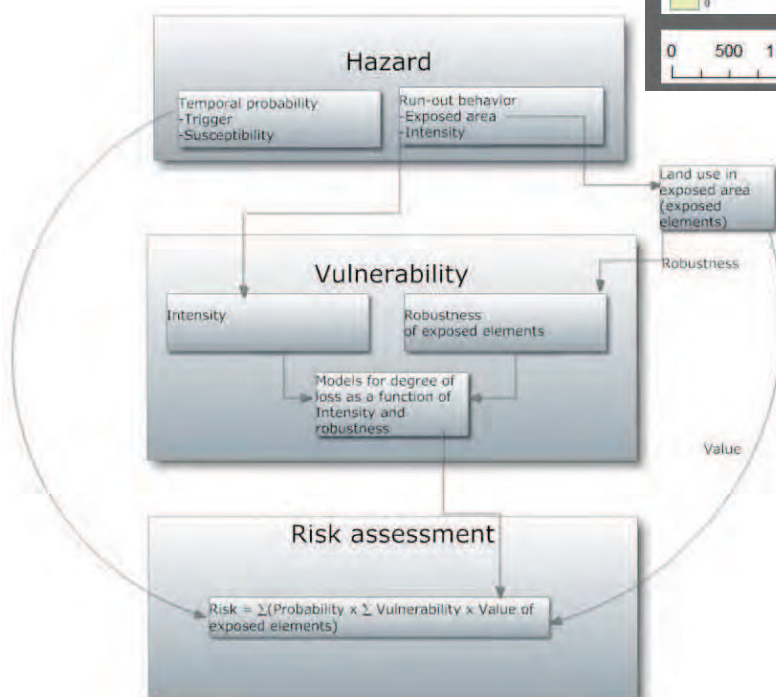
Reliability assessment for offshore foundation systems

Risk Assessment and Management



Mitigation measures for landslides – the decision on the location and type of control works should be derived from cost-benefit analyses

Tsunami mortality risk assessment, Bridgetown, Barbados

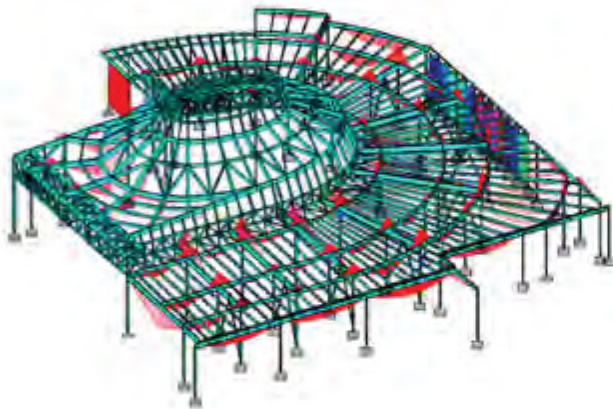


Risk assessment flowchart for landslides / debris flows

technical resources

Human Resources

G&P Professionals are held together by a growing human resource pool of engineers, geologists and technical supporting staff. We take pride in ensuring that we bring in the best talents in the industry with a mindset that is in line with the company values. All our staff continuously undergo training through both internal and external courses, conferences, seminars, weekly colloquiums, examinations, etc. to maintain and upgrade their skills.



IT Hardware

The Group is connected with an integrated network of computers supported by servers, workstations and other arrays of computer hardware. We ensure that we are also kept abreast with the latest digital technology by acquiring digital photographic equipment, GPS systems, etc. thereby allowing us to service our clients more effectively and efficiently.

Database

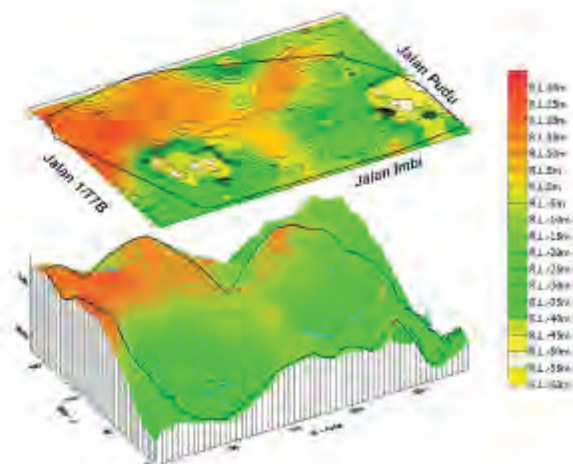
We take pride in maintaining a comprehensive database storing and updating information ranging from Construction Unit Rates, Subsurface Information, Developers, Specialists, Accredited Contractors, Specifications, Bills of Quantities, Galleries, etc. Our database allows us to ensure that the information we utilise is comprehensive, up-to-date and state of the art considering lessons learnt from case histories.

Software

Lying within our integrated computer hardware is our vast array of database and engineering software. We take pride in acquiring software such as ETABS, SAP 2000, STAAD Pro, ADAPT, (Structural Analysis & Design), PDS (Highway, Infrastructure & Ground Modelling), Plaxis (2D and 3D Finite Element), SAFE 2000 (Soil-Structural Finite Element), Mike 11 (River Modelling), Mike Flood (Flood Modelling) and many others that allow us to provide optimized, safe and easy to construct engineering solutions. Our commercial software is also supplemented by numerous in-house software and spreadsheets developed through our R&D efforts.

Library

Being aware of state of the art knowledge is our true key to success. We maintain our competitive edge by ensuring that our library is updated with the latest technical and research journals, conference papers, academic references, technical videos, etc.



Certification of appreciation & awards

G&P Professionals Sdn Bhd has received ISO 9001:2015 certification for Quality Management Systems by SIRIM QAS Sdn Bhd.

The Silver Award of Merit (2006) from the Association of Consulting Engineers Malaysia (ACEM) for the piled-strip-raft foundation system of the Bandar Botanic Development, Klang.

The Ir. Tan Sri Haji Yusoff Prize, IEM Technical Paper (2005), was won by Ir. Liew Shaw Shong for his paper entitled "Bending Moment Interpretation of Structural Element with Measured Deflection Profile", First Malaysian Geotechnical Conference 2004.

The Award of Commendation (2002) from the Association of Consulting Engineers Malaysia (ACEM) for the foundation system of the First Pulau Palm Oil Mill, Riau, Indonesia.

The Award of Merit (1998) from the Association of Consulting Engineers Malaysia (ACEM) for the foundation system of the Bistari Condominium, in which Ir. Dr. Gue See Sew was the engineer responsible for the foundation design of the condominium when he was the Managing Director of SSP Geotechnics Sdn Bhd.



Certificate of Appreciation from Ampang Jaya City Council to Ir. Dr. Gue See Sew assisting the local authority in preventing and mitigating natural disasters.

Certificate of Appreciation from Petaling District Council to Ir. Dr. Gue See Sew for serving in the committee that investigated the collapse of a private college building in Bandar Utama, Damansara, Selangor Darul Ehsan.

Certificate of Appreciation from Ministry of Housing and Local Government to Ir. Dr. Gue See Sew for helping the ministry in investigating the collapse of the Mutiara Court (Block D) highrise building at Taman Bukit Permai, Cheras, Selangor Darul Ehsan.

The Raja Tan Sri Zainal Prize, IEM Technical Paper Award (1998), was won by Ir. Tan Yean Chin from the technical paper titled "Deformation of Anchored Diaphragm Walls for Deep Basement at Berjaya Star City, Kuala Lumpur" published in the 3rd Asian Young Geotechnical Engineers Conference, Singapore (1997).

The Tan Sri Haji Yusoff Prize, IEM Technical Paper (2020), was won by Ir. Liew Shaw Shong for his paper entitled "Common Blind Spots in Ground Investigation, Design, Construction, Performance Monitoring and Feedbacks in Geotechnical Engineering", presented in a lecture for 50th Anniversary Symposium of SEAGS.



G&P Professionals Sdn Bhd (Representing by The Group Specialist Company)

Specialist firms:-

G&P Geotechnics Sdn Bhd

G&P Infra Sdn Bhd

G&P Claims & Contracts Sdn Bhd

G&P Project Management Sdn Bhd

Global Water Consultants Sdn Bhd

G&P R International (Cambodia) Co., Ltd.

G&P Highways & Transportation Sdn Bhd

G&P Dams & Water Services Sdn Bhd

G&P Professionals (Sarawak) Sdn Bhd

G&P Professionals (Sabah) Sdn Bhd

G&P M&E Sdn Bhd

G&P Energy Sdn Bhd

G&P MYU Consultants Sdn Bhd

G&P Bridges & Buildings Sdn Bhd

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