



# Company Profile



**One-Stop Water Engineering  
Consultancy Centre**



**GLOBAL WATER CONSULTANTS SDN BHD**  
*(Previously known as G&P WATER & MARITIME SDN BHD)*

# Company Philosophy

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## VISION

**To be World Renowned Water & Maritime Engineering Consultant.**

## MISSION

**To provide value-added consultancy services & innovative sustainable solutions to solve water related issues and meet clients' satisfaction with due care for environment and society.**

## VALUES

**We Promote Creativity and State-Of-The-Art Technologies.**

**We Committed to Produce Quality Work.**

**We Provide Sustainable and Best Solution for Our Clients.**

**We Uphold Integrity in All Our Dealings with Our Clients and Vendors.**

# The Company

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**GLOBAL WATER CONSULTANTS SDN BHD (Previously known as *G&P WATER & MARITIME SDN BHD*)** is a specialist company providing a wide range of consultancy services in water engineering. We specialize in study and design pertaining to hydrology, hydraulics, water resources, water treatment, distribution, drainage, flood mitigation, water quality, coastal hydraulics, modelling, jetties, port structures, breakwaters and coastal protection structures and irrigation.

**GLOBAL WATER CONSULTANTS SDN BHD** staff consists of diverse engineering specialists in the field of water, maritime and dam engineering, to meet clients' needs. We are supported by a group of specialists in the region.

**GLOBAL WATER CONSULTANTS SDN BHD** strives for an efficient operation of modern consulting practice, adopting many knowledge management techniques and operation tools, including state-of-the-art software for modelling and analysis.

# 我们的企业

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## ★我们的企业理念★

### 我们的愿景：

- 追求卓越的服务素质、技术专业、可靠与诚信。

### 我们的使命：

- 提供具附加价值且革新性的工程方案，满足客户需求，同时兼顾环境与社会永续发展。

### 我们的核心价值观：

- 我们重视员工的创新能力及品质承诺。
  - 我们为客户提供最佳方案。
  - 我们以诚对待每一位客户及供应商。
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## ★ 关于我们 ★

G&P Water & Maritime 私人有限公司是一支提供广泛水相关工程咨询服务的团队。我们的专业涵盖研究及设计水坝、水资源、水源处理、水文、水力、灌溉、排水、水质、防洪、码头、港口、防波堤、海岸建模及保护。

G&P Water & Maritime 私人有限公司拥有一支细心且充满魄力的团队。我们的团队由水文、海事及水坝工程等各工程领域专才所组成，致力满足客户的需求。我们在区域内同时拥有一支专家队伍为咨询后盾。

G&P Water & Maritime 私人有限公司致力打造高效的现代化咨询服务作业模式，融入知识性管理技术及运作工具，包括采用最先进的建模软件。



# 我们的专业服务

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## ★我们的专业服务★

### 水文及水力：

- 水文
- 水力
- 水资源
- 治水工程，调查及预测
- 农业及城市排水
- 灌溉
- 水质
- 侵蚀与沉淀
- 海岸水力建模
- 离岸水力建模
- 实体建模

### 海事：

- 海岸结构设计
- 海洋资源研究
- 沿海社群的社会经济及渔业管理
- 海洋业务发展研究

### 水坝与水供服务：

- 水坝设计可行性研究
- 与国际专家联合设计水坝
- 常规水坝安全检查
- 水坝监管
- 水坝5年安全检查
- 溃坝研究
- 应急计划
- 水供方案可行性研究
- 水源处理厂及配水系统详细设计
- 施工阶段管理

# 我们的工程经验

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## ★我们的工程经验★

1. 治水工程与调查
  2. 沿海开垦、防波堤、码头及度假村开发和海事制造场
  3. 港口与码头
  4. 各类海事工程
  5. 海岸建模
  6. 水文及水力
  7. 水资源
  8. 集水区及河流管理
  9. 水坝
  10. 水土流失治理方案
  11. 灌溉
  12. 雨水与城市排水系统
  13. 水质
  14. 实体建模
  15. 水源处理厂及配水系统
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## ★ 公司注册与奖项肯定 ★

### 公司注册：

- 马来西亚政府财政部
- 马来西亚国家能源公司（TNB）

### 认证：

- ISO 9001: 2015 品质管理认证
- 国际认证联盟（IQNet）认证

# Professional Services

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## **HYDROLOGY AND HYDRAULICS**

- Water Resources Assessment
- Integrated River Basin and Water Management Plan
- Flood Mitigation / Investigation / Forecasting
- Agriculture and Urban Drainage
- Irrigation Planning and Design
- Water Quality and Pollution Control Study
- Erosion and Sediment Control Plan
- Physical Modelling

## **COASTAL & MARITIME**

- Coastal and Hydraulic Modelling
- Water Penetration Study
- Offshore Hydraulic Modelling
- Pre-feasibility & Feasibility Studies
- Design of Reclamation, Shore Protection Structures
- Structural Design for Ports, Marine Fabrication Yards & Jetties
- Engineering Audit & Review
- Construction Supervision

## **DAMS & WATER SERVICES**

- Feasibility Studies of Water Supply Schemes
- Water Network Analysis & Modelling
- Detailed Design of Water Treatment Plant and Distribution Systems
- Study and Detailed Design of Sewerage Treatment Plant
- Feasibility Studies for Dam Design
- Design of Dams in Association with International Experts
- Dam Safety Inspection, Surveillance and Monitoring
- Dam Break Study
- Emergency Response Plan

# Project Experiences (Water)

No	Project Title (Type of Services)
1.	Feasibility Study & Detailed Design of Sg. Damansara Flood Mitigation Scheme, Selangor (Hydrology and Hydraulics, Detailed Design)
2.	Monitoring of Putrajaya Dam and Maintenance of Hydrological Database (Hydrology and Dam Monitoring)
3.	Flood Investigation at Putra LRT Track, Wangsa Maju (Flood Investigation)
4.	Hydrology and Hydraulic Design of Electrified DoubleTrack Railway from Sg. Petani to Padang Besar (Hydrology and Hydraulics)
5.	Water Availability Study at Hartalega Water Intake Point, Bestari Jaya, Selangor (Water Resources)
6.	Expert Opinion on the failure of the Box Culvert at Mandahan, Sabah (Hydrology and Hydraulics)
7.	Feasibility Study & Detailed Design of the Flood Mitigation Works for Kelantan River Basin (Hydrology, Hydraulics and Detailed Design)
8.	Development of ASEAN Water Quality System (Water Quality)
9.	Sg. Merbok Pollution Prevention and Water Quality Improvement Study (Hydrology, Hydraulic and Water Quality)
10.	Dam Break Analysis and the Social, Economic and Environmental Impact Study for Kenyir Power Station (Dam Break Study)
11.	Flood Investigation at Jalan Beringin, Bukit Damansara (Flood Investigation)
12.	Integrated Water Resources Study for the Northern Region of Peninsular Malaysia (Hydrology and Water Resources)
13.	Feasibility Study of the Metjawah and Belaga Hydroelectric Project (Hydrology and PMP)
14.	Integrated Environmental Impact Assessment (EIA) Study for the Proposed Coastal Developments in Labuan (Hydrology and Hydraulics)
15.	Flood Mitigation Master Plan for Mersing River Basin, Johor (Flood Mitigation)
16.	Stormwater Management and Drainage Master Plan Study for Kangar, Arau and Padang Besar, Perlis (Drainage Master Plan)
17.	Preliminary Impact Assessment of Climate Change on Irrigation and Water Supply Scenario for Selected Keys Areas in Peninsular Malaysia (Hydrology and Water Resources)
18.	Study of the Impacts of Land Development Activities on Water Resources of Sg. Kelantan and the Development of a Conservation Plan (Hydrology, Hydraulics, Erosion and Sedimentation)

# Project Experiences (Cont'd)

No	Project Title (Type of Services)
19	Water Supply Study in Lanchang, Pahang (Hydrology and Groundwater)
20.	Monitoring of Putrajaya Dam (Dam Monitoring)
21.	Hydraulic Study of the Temporary Culvert Crossing at UiTM Sg. Buloh (Hydraulics)
22.	Review of Probable Maximum Precipitation for Babagon Dam (Hydrology)
23.	Preliminary River Water Quality Management Plan for Sg. Lunchu, Pasir Gudang, Johor (Hydrology and Water Quality)
24.	Development of an On-Line Flood Warning System Using Rainfall Flood Correlation Method for Kg Kassipillay in Kuala Lumpur (Flood Warning)
25.	Pollution Prevention and Water Quality Improvement Study for Sg Buloh Basin, Selangor (Hydrology and Water Quality)
26.	Rainwater Harvesting for Foam Packaging Industries Sdn Bhd, Selangor (Rainwater Harvesting)
27.	Sg. Perak Integrated River Basin Management Plan Development (Hydrology, Hydraulics, Catchment Management)
28.	Development of Local and Internal Emergency Response Plans for Sg. Perak Hydro Scheme & Kenyir Power Station (Emergency Response Management)
29.	Review of The National Water Resources Study and Formulation of National Water Resources Policy (Hydrology, Water Resources, Irrigation)
30.	Water Availability Study for the Proposed Hill Resort at Lot 2875, Selangor (Water Resources)
31	Specialist Services to Collect and Analyze Sediment Data and Prepare Report for Sg. Bernam River Basin (Sediment)
32.	Integrated Environmental Monitoring Plan (IEMP) of Lojing, Kelantan (Hydrology, Water Resources, Irrigation, Sediment)
33.	Cadangan Pelan Induk Pembangunan Projek Taman Kekal Pengeluaran Makanan (TKPM) di Langkawit Papar, Sabah (Water Resources)
34.	The Identification of Hydropower Resources Potential in Sabah (Hydrology)
35.	Kelantan Flood Risk Mapping (Mapping)
36.	Hydraulic Review on the Tidal Control Gate (TCG) and Bund (Hydraulics)

# Project Experiences (Cont'd)

No.	Project Title (Type of Services)
37.	Kota Bunyi Tailing Dam –Klian Intan Mine (Hydraulics Dam break Study)
38.	Independent Review of the flooding of East Coast Expressway Package 10B and 10D, Terengganu (Flood Investigation)
39.	Flood Mitigation Study for Jambuk Estate, Kalimantan Timur, Indonesia (Flood Investigation)
40.	Ulu Jelai & Ulu Terengganu Hydroelectric Dam Hydraulic Study (Hydraulics)
41.	Pre-feasibility Study for Lebir & Nenggiri Dam (Hydrology & Hydraulics)
42.	2nd Edition MSMA Manual -Technical Review (Urban Drainage Design)
43.	Hydraulic Analysis of the 2 <sup>nd</sup> Sg Kelantan Bridge at Sultan Yahya Petra, Kota Bharu, Kelantan (Hydraulic)
44.	Optimization Design of the Tertiary Canal and Drainage System for Setiu Irrigation Scheme (Irrigation & Drainage)
45.	Hydraulic Analysis of Panglima Awang Bridge at Sg Melaka (Hydraulic)
46.	Hydraulic Analysis of Sg Kayu Ara for the Proposed Mixed Development site at Lot PT-1427, Mukim Damansara (Hydraulic)
47.	Development of the Integrated Environmental Management Plan (IEMP) for Ringlet Catchment and Reservoir (Catchment Management)
48.	Perkhidmatan Kepakaran untuk Menilai Prestasi Sistem Pengurusan Data Hidrologi di Bahagian Pengurusan Sumber Air dan Hidrologi, JPS Malaysia (Hydrological Data Management)
49.	Catchment Modelling and Sediment Impact Assessment for Chenderoh Lake (Catchment Modelling & Sediment Study)
50.	Detailed Design of Flood Mitigation Measures for Jambuk Estate, Kalimantan Timur, Indonesia (Detailed Design)
51.	MJC Estate H&H Flood Assessment, Kalimantan Tengah, Indonesia (Flood Investigation)
52.	DEIA for the proposed 1x1000MW Coal Fired Power Plant Project, Mukim Jimah, PD (Coastal Hydraulics)
53.	Hydraulic Modelling Studies for KM Submission for Lot PTB 21910 (Tanjung Puteri), Johor Bahru City Centre (Coastal Hydraulics)
54.	Proposed Stage 1 Preliminary Flood Mitigation Study for Penawai Estate, Kalimantan (Flood Investigation)
55.	Spillway Design for Kota Bunyi Tailing Dam at Klian Intan Mine (Hydraulic Design)
56.	Capital Square Flood Investigation (Flood Investigation)
57.	Power Plant at Buroi, Balingian, Mukah (Hydraulic Design)

# Project Experiences – (Cont'd)

No.	Project Title (Type of Services)
58.	Laras Estate, Stage 1, Padang, Indonesia (Flood Investigation)
59.	Hydraulic Analysis of Sg Kayu Ara for the Proposed development site at lot PT-1425, Mukim Damansara (Hydraulic)
60.	Preparation of ESCP for ArkemiaThiochemicals, Kertih Polymer Park (ESCP)
61.	Study of the Impact of Pond Filling for mix development at Lot 5318 & Pond B, Dengkil (Hydrology & Hydraulics)
62.	Review of Sarawak Telemetry System & Hydrological Network (Hydrology)
63.	Proposed Reclamation of 170 Acres for mixed Development at Pekan Klebang, Melaka (Coastal Hydraulic)
64.	Physical & Numerical Modelling Study on Foam Formation at the Cooling Water Outfall of Thermal Power Stations and its Impact to the Marine Environment (Physical Modelling & Coastal Hydraulics)
65.	Investigation, Survey, Design, Tender Documentation and Construction Supervision of Miri Water Supply Source Development (Hydrology, Hydraulics and Detailed Design)
66.	Special Environmental Impact Assessment (SEIA) for the Proposed Dam Upstream of Cinta Mata Treatment Plant, Tawau, Sabah (Hydrology)
67.	Sludge Management for Water Treatment Facility in Johor (Water Supply)
68.	Water Availability Study for Hartalega NGC at Sg Labu Water Intake Point (Water Resources)
69.	Stage-2 Detailed Design of Penawai Estate Flood Mitigation Project Kalimantan Timur, Indonesia (Flood Mitigation)
70.	Stage-2 MJC Flood Mitigation Analysis and Design, Kalimantan Tengah, Indonesia (Flood Mitigation)
71.	Hydraulic Study for the Proposed Pontoon Jetty at Senibong Cove, Mukim Plentong, Johor Bharu (Hydraulics)
72.	Water Resources Study for the Proposed 2 X 300 MW Coal- Fired Power Plant At Buroi, Balingian, Mukah Division, Sarawak (Water Resources)
73.	Water Quality Assessment for the Proposed 1000 ha Integrated Shrimp Aquaculture Park, Setiu, Terengganu (Water Quality)
74.	Water Availability Study for Hartalega NGC at Sg Langat Water Intake Point (Water Resources)



# Project Experiences (Cont'd)

No.	Project Title (Type of Services)
75.	Dam Break Analysis for Mengkuang Dam Expansion Project, Pulau Pinang (Dam Break Study)
76.	Detailed Design of Flood Mitigation Project for Sungai Damansara, Sungai Kayu Ara and Retrofit Existing Flood Detention Pond (Flood Detailed Design)
77.	Dam Break Study of Kota Bunyih Tailing Dam (Dam Break Study)
78.	Guru Nanak Estate Flood Claim (Flood Investigation)
79.	Hydraulic Study and Conceptual Design for the Proposed NGC Water Intake Point at Sg Langat & Sg Labu (Hydraulic)
80.	Hydraulic Modeling Study for the Proposed Danga Bay Development (Coastal Hydraulic)
81.	Preliminary Study on the Suitability for oil Palm Cultivation in Lampong SIL Plantation, Sumatra (Hydrology & Hydraulics)
82.	Hydrology and Hydraulic Analysis for Lower Seletar Canal (Hydrology & Hydraulics)
83.	Siltation Assessment for Zhoushan Shipyard, China (Hydraulics & Sediment)
84.	Water Resource Study for the Iron Ore Mine at Ban Boneng, Laos (Hydrology)
85.	Proposed Development at Pantai Kok and Teluk Burau, Langkawi - Preliminary Conceptual Master Plan Study (Coastal Hydraulic)
86.	Pekan Nenas Sanitary Landfill DEIA (Hydrology & ESCP)
87.	EIA Study for the proposed tin mining operation, Tanjung 12, Kuala Langat, Selangor (Water Quality & Groundwater)
88.	Water Availability Study for the Geothermal Power Plant Project at Apas Kiri, Tawau, Sabah (Hydrology)
89.	Reclamation of 66 Acres Land for Mixed Commercial Development at Melaka (Coastal Hydraulic)
90.	Reclamation of 15 Acres Land for Mixed Commercial Development At Melaka (Coastal Hydraulic)
91.	SEIA for Baleh Hydroelectric Project (Hydrology, hydraulics, water quality, ESCP)
92.	SEIA for Baram Hydroelectric Project (Hydrology, hydraulic, water quality, ESCP)
93.	Salinity Study for the Proposed 2x300MW Coal fired Power Plant at Buroi, Balingian, Sarawak (Salinity study, water quality)
94.	Coastal Hydraulic Study for the Proposed Sea Sand Mining at Tanjung Pelindung, Pahang (Coastal Hydraulic)



# Project Experiences – (Cont'd)

No.	Project Title (Type of Services)
95.	Preparation of ERP for Cameron Highlands Hydroelectric Scheme (Emergency Response Management)
96.	Proposed Jesselton Hill Mixed Development at Mile 13, Tuaran Road, Menggatal, Kota Kinabalu, Sabah (Hydrology & Hydraulic)
97.	Mixed Development at Penang World City at Bayan Mutiara, Penang (Coastal Hydraulic )
98.	Streamflow Gauging and sediment sampling operation at Telom Intake and Sg Bertam (Hydraulic, Sediment Study)
99.	Erosion Control Measures for Piling Works at Main Hospital Building Area for the Gleneagles Medini Hospital Iskandar Project, Johor (ESCP)
100.	Feasibility Study and Detailed Engineering Design for "Upgrading of the Water Supply System for Lahad Datu" (Hydrology & Hydraulic)
101.	Water Resources Study for the Proposed Palm Oil Mill at Mile 48, Jalan Nabawan, Nabawan-Keningau, Sabah (Water Resources)
102.	Proposed Sg. Samalajau Reservoir and Associated Facilities (Hydrology & Hydraulic, Detailed Design)
103.	Hydrological & Hydraulic Analysis & Water Quality Assessment and Modelling for the Proposed 1,000 ha Integrated Shrimp Aquaculture Park (I-SHARP) in Setiu, Terengganu (Hydrology & Hydraulic & Water Quality)
104.	Coastal Hydraulic Study for the Proposed Sea Sand Mining at offshore of Terong Perak (Coastal Hydraulic)
105.	Coastal Hydraulic Study for the Proposed Jimah Power Plant, Port Dickson (Coastal Hydraulic )
106.	Derivation of PMP and Design Rainfall for Nakai Dam and its Regulating Dam, Laos (Hydrology)
107.	Hydraulic & Hydrology Study for RHT Tailings Ponds (Hydraulic & Hydrology)
108.	Shoreline Monitoring Works for Tuanku Jaafar Power Station in Daerah Port Dickson, Negeri Sembilan (Monitoring and Assessment)
109.	Batang Ai Dambreak Study and ERP Preparation (Dambreak & ERP)
110.	Preparation of ESCP for Forest Plantation Development Project in Besout, Perak (ESCP)
111.	Hydraulic Study for the Proposed Mixed Development at Lot 13178 and Lot 21181, Johor Bahru (Coastal Hydraulics)
112.	Preparation of ESCP for Plantation Forest Development Project in Hutan Simpan Korbu, Kuala Kangsar, Perak (ESCP)

# Project Experiences – (Cont'd)

No.	Project Title (Type of Services)
113.	Re-assessment of the Water Availability of Sg Kubang Badak and the Water Demand at Hartalega Intake Point, Bestari Jaya, Selangor (Water Resources)
114.	Preparation of ESCP for Plantation Forest Development Project in Hutan Simpan Korbu, Kuala Kangsar (ESCP)
115.	Preparation of ESCP for Plantation Forest Development Project in Hutan Simpan Korbu, Kuala Kangsar (ESCP)
116.	Hydrology & Hydraulic Review for Tunjang & Kodiang Station - Electrified Double Track Project Between Ipoh & Padang Besar (Hydrology & Hydraulic)
117.	Preparation of ESCP for Projek Mengusaha hasil & Mengeluarkan Batu Batan Granite, Hutan Simpan Segari Melintang, Pengkalan Baru, Perak (ESCP)
118.	Detailed Design, Tender Preparation & Construction Supervision for NGC Package 1 Works (Sg Labu Intake, Pump Station, & Piping System for Raw Water & Effluent Discharge)
119.	Coastal Hydraulic Study for the Proposed New Quay Wharf at Asian Supply Base, Labuan (Coastal Hydraulic)
120.	Improvement of the Drainage System Along Jalan Sibiyu, Bintulu (Urban Drainage, Hydrology & Hydraulics)
121.	Dam Break Study And Dam Safety Review for Semenyih Dam (Dam break Study & Dam Safety Review)
122.	Engagement of Specialist Collaborator to Conduct Thermal Plume Marine Water Quality Modelling and Sediment Impact Assessment at Pasir Gudang Power Station (Coastal Hydraulic)
123.	Proposed Commercial Development of luxury Condominium, Cultural Centre and Recreation Parks for "Lido Boulevard" Project (Coastal Hydraulic)
124.	Study on Integrated Management Plan for Bengoh Water Catchment Area (Hydrology & Hydraulic & Water Quality)
125.	Feasibility Study for the Proposed Separation of Waterways Connecting Btg. Paloh and Btg. Belawai, in the Rajang River Delta (Coastal Hydraulics & Water Quality)
126.	Hydrological Analysis for Sg Tagas-Tagas Besar at Litang Estate, Tomanggong Group of Estates (Hydrology)
127.	Detailed Design of Orifice Structure at PD2 Outfall of Tuanku Jaafar Power Station (CFD Modelling & Detailed Design)
128.	Hydraulic Study for the Proposed "water chalet" and "resort apartment" at Pulau Melaka (Coastal Hydraulic)
129.	Water Resources Study for the Proposed Pig Farming Area at Jalan Telupid-Tongod, Tongod District, Sabah (Water Resources)

# Project Experiences – (Cont'd)

No.	Project Title (Type of Services)
130.	DEIA for the Proposed Tekai Dam, Pahang (Hydraulics & Hydrology, Dam Break, Water Quality Study)
131.	Shoreline Monitoring Programme for Samalaju Port, Bintulu Sarawak (Hydraulics, Shoreline Monitoring)
132.	Shoreline Monitoring for the Proposed Construction and Completion of Breakwater for the New Deep Water Terminal at Kuantan Port, Pahang (Shoreline Monitoring)
133.	Expert Opinion on DOE's Summon on Ecohill Project for the Flood Incident in Semenyih area (Expert Review)
134.	Assessing the Groundwater Pollution Potential of Cemetery Development at Lot 3366, Sepang (Groundwater)
135.	Expert Opinion on the Flood Assessment Report for Ladang Guru Nanak (Expert Opinion)
136.	Coastal Erosion Monitoring Works for Dredging of Second Inner Harbour, Reclamation and Related Coastal Protection Works at Bintulu Port, Sarawak (Coastal Monitoring)
137.	Catchment Modelling and Sediment Impact Assessment for Kenyir Lake (Hydrology, Hydraulics & Sediment transport modelling)
138.	Hydrodynamic, thermal plume, chlorine dispersion, sediment transport, morphological, air dispersion and noise propagation modelling at TJPS and SIPS (Thermal Plume, Chlorine & Sediment Study)
139.	Coastal Hydraulic Study and Coral Mapping around Anak Burau Island, Langkawi (Coastal Hydraulic)
140.	Coastal Hydraulic Study for Upgrading of the Existing LPG Jetty to LNG Jetty at Bintulu Port (Coastal Hydraulics)
141.	Stage 1 Preliminary Flood Mitigation Study of PT Dinamik Alam Segar Plantation (DAS), Kalimantan Tengah, Indonesia (Flood Mitigation)
142.	Hydraulic Study for Labuan Resort and Theme Park Development, Labuan (Coastal Hydraulics)
143.	Penang South Islands Scheme (Reclamation Design)
144.	Development of Semenyih Dam Storage Prediction Model (Water Resources)
145.	Dam break Study for Hulu Terengganu Hydroelectric Project (Dam Break Study)
146.	Flood Investigation and Assessment for the newly constructed bridge across Sg Batu at Manjung Perak (Hydrology and Hydraulics)
147.	Shoreline Monitoring Works for Jimah Power Plant, Port Dickson (SMP, Shoreline Monitoring)

# Project Experiences – (Cont'd)

No.	Project Title (Type of Services)
148.	Preliminary Water Resources Study for Fonterra Dairy Plant, Shah Alam, Selangor (Water Resources)
149.	Detailed ESCP for Kuantan Port Reclamation, Pahang (ESCP)
150.	Development of Integrated Lake Management Plan for Jor and Mahang Reservoirs (Hydrology, Hydraulic, Water Quality)
151.	Semenyih Dam Inspection (Dam Inspection)
153.	Hydraulic Study for Senibong Area, Plentong, Johor Bahru (Coastal Hydraulics)
154.	Environmental Flow Study for the Proposed New Palm Oil Mill at Beaufort, Sabah (Water Resources)
155.	Hydrology & Hydraulic Analysis for the Proposed Box Culvert at Taman Suria Shop Apartment at Penampang (Urban Drainage)
156.	EIA for the Proposed Resort Development at Pulau Bohey Dulang, Semporna, Sabah (Hydrology and Hydraulic)
157.	Coastal Hydraulic Study for the Proposed 132kV Transmission Line from SSU Pantai Siring to SSU Pulau Besar Melaka (Coastal Hydraulic Study & Shoreline Monitoring)
158.	Improvement of the Existing Drainage System for Symphony Hills, Cyberjaya, Selangor (Flood Analysis and Urban Drainage Design)
159.	Investigation of Flooding of Sg Jelok in Kajang town and Proposed Flood Mitigation Measures (Flood Mitigation)
160.	Hydraulic Modelling of Flood Flow between Puah Dam and Kenyir Reservoir, Hulu Terengganu (Hydraulic Assessment)
161.	Preparation of ESCP for Upgrading Works of LNG4 Jetty, Bintulu Port (ESCP)
162.	Raw Water Source Development and Transfer System for Batu Kitang Treatment Plant, Kuching (Water Resources, Hydrology & Hydraulics)
163.	DEIA for the Proposed HR PIB Plant (Honeydew Project) at Gebeng, Kuantan (Water Quality)
164.	Proposed 120 Acres Reclamation for Mixed Development at Klebang (Coastal Hydraulic)
165.	Dam Break Study for Bekok Dam, Johor (Dam Break Study)
166.	SMART Flood Detection System (FDS) Software Maintenance Program (Technical Support for SMART)
167.	Shoreline Monitoring for the Proposed 2 X 1000MW Coal Fired Power Plant Project, Mukim Jimah, Port Dickson (2) (Shoreline Monitoring)

# Project Experiences – (Cont'd)

No.	Project Title (Type of Services)
168.	Hydrological & Hydraulic Review on Deck Drainage MRT Line (Hydrology & Hydraulic)
169.	Drainage Review for the Proposed Mixed Development at Pantai Sepang Putra, Sepang, Selangor (Urban Drainage)
170.	Coastal Hydraulic Study for IDEAL Penang 2 (Coastal Hydraulic)
171.	Coastal Hydraulic Study for Reclamation and River Diversion Works for the Proposed Mixed Development Along Sg. Rekoh, Johor (Coastal Hydraulic)
172.	Sg Keta River Diversion Study for Iron Ore Mining, Pahang (Hydrology and Hydraulic)
173.	Investigation of Flooding in Serdang Lama and Proposed Flood Mitigation Measures, Serdang, Selangor (Flood Investigation)
174.	Environmental Management Plan (EMP) for the Proposed New Quay Wharf at Asian Supply Base Sdn Bhd, Labuan FT (Coastal Hydraulics)
175.	Detailed Design of Phase-2 Miri Water Supply Scheme (Hydrology and Hydraulics)
176.	Coastal Hydraulic Study for the Deep-Water Sea Sand Mining off the Coast of Manjung, Perak (Coastal Hydraulics)
177.	Coastal Hydraulic Study for the Proposed Sand Mining offshore of Jimah Port Dickson, Negeri Sembilan (Coastal Hydraulics)
178.	Extended Executive Summary for PEIA for the proposed development at Sg Lunchoo, Mukim Plentong, Johor Bahru, Johor (Coastal Hydraulics)
179.	Flood Investigation Study for Sg Pandan, Johor (Flood Investigation)
180.	Coastal Hydraulic Study for the Proposed of development at Tanjung Batu, Bintulu Sarawak (Coastal Hydraulics)
181.	Shoreline Monitoring for the Construction of the New LNG4 Jetty at the Existing LPG Jetty, Bintulu Port, Bintulu, Sarawak (Shoreline Monitoring)
182.	Hydrology and Hydraulic Study for the Existing Sg Asap WTP Intake, Kapit Division, Sarawak (Hydrology and Hydraulics)
183.	Detailed EIA for the Proposed Salak Mixed Developments in Mukim Tanjung Dua Belas, Kuala Langat (Hydrology, Hydraulics and water Quality)
184.	Ponds Assessment for the Mixed Development at Petaling Selangor (Hydrology and Hydraulic)
185.	Coastal Hydraulic Study for Proposed Development of Lido Waterfront Boulevard at Johor Bahru (Coastal Hydraulic)

# Project Experiences – (Cont'd)

No.	Project Title (Type of Services)
186.	Coastal Hydraulic Study for the Proposed Ash Pond in Jimah Power Plant (Coastal Hydraulics)
187.	Water Availability Study for the Proposed Asia Pacific Glove Factory Water Intake at Labu (Water Resources)
188.	Stage 2 Detailed Design of Flood Mitigation measures for PT Laras Estate and New Plasma Area, Sumatera (Detailed Design, Flood Mitigation)
189.	Review of the Flood Mitigation Project of PT Laras Estate, Sumatera, Indonesia (Hydrology & Hydraulics)
190.	Shoreline Monitoring Program for Penang IDEAL (Shoreline Monitoring)
191.	Danga Bay Reclamation Works and Sediment Dispersion Modelling from F2 Reclamation Work, Danga Bay, Johor (Coastal Hydraulics)
192.	Feasibility Study for the Proposed Development of Betong Raw Water Source, Sarawak (Hydrology and Hydraulic)
193.	Shoreline Monitoring Program for the New Proposed Quay Wharf, Labuan (Shoreline Monitoring)
194.	Proposed Reclamation Area Adjacent to Lot 12174 and Lot 12175, Batu Maung, Penang (Coastal Hydraulics)
195.	PEIA for the Proposed Wharf and Onshore Development at Phase 1 of the New Deep Water Terminal (NDWT) at Kuantan Port, Pahang (ESCP)
196.	Coastal Hydraulic Study for the proposed Tanjung Puteri Development, Johor Bahru City Centre, Johor (Coastal Hydraulics)
197.	Extended Executive Summary for Reclamation Works along Johor Straits from Danga Bay to Tanjung Puteri, Johor (Coastal Hydraulics)
198.	EIA For the Proposed Ash pond at Jimah East Power Sdn Bhd Power Plant, Port Dickson, Negeri Sembilan (Coastal Hydraulics)
199.	Hydrology and Hydraulic Study for the Proposed Gold Mine at PT20-13100442 (1000 Ha) in Tawau, Sabah (Hydrology & Hydraulic, Dam Break)
200.	Coastal Hydraulic Study for the Deep Water Sea sand Mining off the coast of Klang (Coastal Hydraulics)
201.	Climate Change Research and Adaptation Measures for Coal Fired Power Plant at East Coast of Peninsular Malaysia (Coastal Hydraulics)
202.	Hydrological & Hydraulic Review on Deck Drainage MRT Line - Long Span Crossing (Hydrology and Hydraulics)
203.	Hydraulic Review of As-Built Drainage at Lot PT 10660, Puncak Alam (Hydrology and Hydraulic)
204.	Manjung 5 SMP (Shoreline Monitoring)



# Project Experiences (Cont'd)

No.	Project Title (Type of Services)
205.	Assessment of the river flooding Potential for the Proposed Bintulu Kemena Road in Bintulu (Hydrology and Hydraulics)
206.	Hydraulic and Hydrology Study to determine the 100-year Flood Level at Kota Bayu Emas, Klang, Selangor (Hydrology and Hydraulic)
207.	Kajian dan Pengambilan Tanah bagi Skim Bekalan Air Lembangan Linggi (Bunded Storage), Negeri Sembilan. (Hydrology and Hydraulic)
208.	Bintulu Coastal Monitoring (Coastal Monitoring)
209.	Tg. Baru Reclamation (Coastal Hydraulic)
210.	KAJD Reclamation of 150 Acres Land, Malacca (Detailed Reclamation Design)
211.	Coastal Hydraulic Study for the Proposed Brunei Jetty (Coastal Hydraulic)
212.	Melaka Water Chalet Approval Extension Study (Coastal Hydraulic)
213.	Detailed Design of Flood Mitigation Works for Kg Tok Aminuddin, Mukim Dengkil, Daerah Sepang (Flood Mitigation Detailed Design)
214.	Stream flow Gauging for Sg Labu and Sg Langat (Hydrology)
215.	Detailed Design of Phase-1 Flood Mitigation Works for Kg Melayu Subang at Sg Pelempas, Daerah Petaling, Selangor (Flood Mitigation Detailed Design)
216.	Hydraulic Study for the Water Chalet at Pulau Melaka, Kawasan Bandar XLII, Daerah Melaka Tengah, Melaka (Coastal Hydraulics)
217.	Special Environmental Impact Assessment (SEIA) for the Proposed Kota Kinabalu Water Supply Phase III, Sabah (Hydrology and Hydraulic)
218.	Desktop Hydrological Analysis of Rajang River for WWF (Hydrology)
219.	Detailed Design of Phase-2 Drainage Improvement Works for Kg. Johan Setia Area, Klang, Selangor (Flood Mitigation Detailed Design)
220.	Water Quality Impact Assessment for the Proposed Pulau Burung Landfill (Coastal Hydraulics, Water Quality)
221.	Coastal Hydraulic Study for the Proposed Samalaju Power Plant, Sarawak (Coastal Hydraulics)
222.	Cadangan Pembangunan Perumahan Bercampur dan Perniagaan, di atas Lot 39, Beranang, Selangor untuk Setia Ecohill 2 Sdn. Bhd. - Review of Pond Design (Hydrology and Hydraulic)
223.	Coastal Hydraulic Study for the Deep-Water Sea Sand Mining off the Coast of Negeri Sembilan (Coastal Hydraulic)

# Project Experiences (Cont'd)

No.	Project Title (Type of Services)
224.	Cost Effective Solution for Cooling Water System of Kapar Thermal Power Plant to Reduce the Impact of Sedimentation and Thermal Plume Discharges to the CW System and Marine Environment at Kapar Coastal Area (Coastal Hydraulics, Sedimentation Study)
225.	Proposed Reclamation Waterfront Developments at Lagenda Kuah and Dayang Bay Langkawi (Coastal Hydraulic)
226.	Batang Lupar Salinity Study (Hydrology, Hydraulics, Water Quality)
227.	Coastal Hydraulic Study for the Layout Optimization of the Proposed Development of Integrated Petroleum Hub and Maritime Industrial Hub Park at Tanjung Piai, Johor (Coastal Hydraulics)
228.	Coastal Hydraulic Study for the Proposed Land Reclamation at Danga Bay Area, Johor Bahru (Coastal Hydraulics)
229.	Subject Matter Experts for the “National Flood Forecasting and Warning Information Management System”, Kuala Lumpur (Expert Input on Flood Forecasting System)
230.	Hydrology and Hydraulic Study for the Proposed Development at Lot 1797/1798, Mukim Ulu Yam, Selangor (Hydrology and Hydraulics)
231.	Water Availability Study for Potential WTP Intake Options for Rural Water Supply Scheme at Kokol Hill Area, Kota Kinabalu, Sabah (Water Resources)
232.	Hydrology Analysis and Spillway Conceptual Design for the Tawau Gold Mine Tailing Dam, Tawau, Sabah (Hydrology and Hydraulics)
233.	Experts Input for the Development of Integrated Water Resources Information Management System for DID Malaysia, KL (Hydrology & Water Resources)
234.	Experts Input for the Development of EIA Guidelines for “Development Activities in Hill Slope Areas, Coastal Zones, Highlands, State Parks and National Parks” for DOE Malaysia (Development of Guidelines)
235.	Hydraulic Study for Lekir Bulk Terminal Expansion Project, Perak (Coastal Hydraulics)
236.	Hydraulic Study for the proposed Reclamation Work of 56.6 hectares at Senibong Cove, Mukim of Plentong, Johor (Coastal Hydraulics)
237.	Coastal Hydraulic Study for the Proposed Link Bridge between Queensbay Park & Pulau Jerejak, Penang (Coastal Hydraulics)
238.	EIA for Dredging Works for the Proposed Sandakan Wharf extension (Coastal Hydraulic)
239.	Water Availability and Water Quality Study for GS Paper Expansion Project for Submission to LUAS and DOE (Hydrology, Hydraulic and Water Quality)



# Project Experiences (Cont'd)

No.	Project Title (Type of Services)
240.	Water Availability Study for Pitas WTP-2, Sabah (Water Resources)
241.	Hydraulic Study for the Proposed Development in SS-7 Kelana Jaya, Petaling Jaya, Selangor (Hydraulics and Flood Analysis)
242.	Raw Water Quality Sampling for Forest City, Johor (Water Quality)
243.	Hydraulic Study for the proposed Penang World City (Coastal Hydraulics)
244.	Costal Hydraulic Study for the proposed Dredging Activity in Melaka (Coastal Hydraulics)
245.	Dam Safety Review for Gerugu Dam: Hydrological Review, Reservoir Storage and Yield Review, Storage Prediction Model, Dam Break Study, Emergency Response Plan, Dam Safety Inspection & Review (Hydrology, Hydraulic, Water Resources, Dambreak Study, ERP Development)
246.	Preparation of ESCP for the Construction of Effluent Ponds and Treatment System for Upgrading Works of Topaz Emas Palm Oil Mill, Perak (ESCP)
247.	Hydraulic and Geomorphology studies for the proposed Bintulu Supply Base Development (Hydrology, River Hydraulics & Coastal Hydraulics)
248.	Pre-feasibility Study for Sg Linggi Bunded Storage System (Water Resources)
249.	Hydraulic Study for the Proposed Reclamation and Development of 407 Hectares Along the Coastline of Butterworth, Penang (Coastal Hydraulics)
250.	Hydrology & Hydraulic Study on the Proposed High-Speed Rail (HSR) RDC06 (Hydrology & Hydraulics, Coastal Hydraulics)
251.	Detailed Design for Gemas WTP Raw Water Intake Upgrading Works, Negri Sembilan (Water Resources, Detailed Design)
252.	Shoreline Monitoring Program for Prai 1071 MW CCGT Project, Penang (Shoreline Monitoring)
253.	The Study on Carrying Capacity of 6 Major Rivers in Sarawak for Pollution Management (Hydrology, Hydraulics, Water Quality)
254.	River Water Quality Modelling for the STP Effluent for the proposed mixed development at Mukim Setul, Seremban, Negeri Sembilan (Water Quality)
255.	Water Availability Study for the Proposed 280 Acres Development Project in Gotong Jaya, Mukim Bentong, Pahang (Water Resources)
256.	Preliminary Hydrology and Hydraulic Study for the Proposed East Coast Rail Link (ECRL) Package 4: Gombak to Bentong (Hydrology and Hydraulics)
257.	Design Review (II) of the Flood Mitigation Project for PT Laras Estate, Sumatera, Indonesia (Hydrology and Hydraulic)
258.	Water Availability Study for the Proposed Upgrading of Sekuau WTP in Sibu, Sarawak (Water Resources)

# Project Experience – Cont'd

No.	Project Title (Type of Services)
259.	Optimal Layout Research for the Proposed TNB Kapar Power Plant (Coastal Hydraulics)
260.	Preliminary Study of the Kokol Bunded Storage, Sabah (Hydrology)
261.	Surface Water Resources Study for the Proposed 100-acres Durian Plantation at Gali Estate, Raub, Pahang (Hydrology)
262.	Revision, Update and Development of Hydrological Procedure No.11: Design Flood Hydrograph Estimation for Rural Catchments in Malaysia (Hydrology and Development of HP11)
263.	Water Supply, Demand and Distribution Study for Negeri Sembilan (Water Network Study)
264.	Preliminary Hydrology and Hydraulic Study for the Proposed East Coast Rail Link (ECRL) Package 2: Dungun to Kuantan (Hydrology and Hydraulics)
265.	Salinity Intrusion Study & Water Level Analysis for GS Paper Water Intake Point, Kuala Langat, Selangor (Hydraulic and Salinity Study)
266.	Coastal Hydraulic Study for the Dredging Activity at Petron's Bagan Luar Terminal, Butterworth, Penang (Coastal Hydraulics)
267.	Silt Curtain Specification and Development Plan for Filling Works at Zone 6, Phase 1 New Deepwater Terminal at Kuantan Port (Coastal Hydraulics)
268.	Water Quality Study for Bauxite Mining in Kuantan (Water Quality, Hydraulic)
269.	Development of the Water Balance System for Sg Bernam Basin under the Phase-1 of National Water Resources Management Program (Water Resources, Hydrology, Hydraulics, Irrigation, Water Supply, GIS and DSS)
270.	Hydrology and Hydraulics Study for the LRT-3 Construction Works within Sg Kayu Ara, Damansara, Petaling (Hydrology and Hydraulics)
271.	Water Quality Study for the Effluent Discharge from Coronation Palm Oil Mill, Johor (Water Quality)
272.	Water Resource Assessment to determine the most plant suitable location to relocate the existing Water Intake for the Rasau Water Treatment (Water Resources)
273.	Detailed Hydrology and Hydraulic Design for the Proposed East Coast Rail Link (ECRL) Package 4: Gombak to Bentong (Hydrology and Hydraulics)
274.	Detailed Hydrology and Hydraulic Design for the Proposed East Coast Rail Link (ECRL) Package 2: Dungun to Kuantan (Hydrology and Hydraulics)
275.	Coastal Hydraulic Study for the Proposed Sand Mining off the coast of Penang (Coastal Hydraulics)
276.	Coastal Hydraulic Study for the Proposed Sand Mining off the coast of Pahang (Coastal Hydraulics)

# Project Experience – Cont'd

No.	Project Title (Type of Services)
277.	Coastal Hydraulic Study for the Proposed Sand Mining off the coast in Negeri Sembilan (Coastal Hydraulics)
278.	Hydrology and Hydraulic Study for the Proposed Recreational Ponds for the Development Project in Lapangan Kota, Seremban, Negeri Sembilan (Hydrology and Hydraulics)
279.	Hydraulic Study for the Lime Quarry at Tapah, Perak (Hydraulics)
280.	Hydraulic Study for the MRT SSP (Line 2) construction work within Sg. Bonus corridor, KL (Hydrology and Hydraulics)
281.	Development of the Integrated Shoreline Management Plan for Sarawak from Kuching to Betong, Sarawak (ISMP, Coastal Study)
282.	Water Quality Study for the Effluent Discharge from Ledang Mas Palm Oil Mill, Johor (Water Quality)
283.	Flood Mitigation Study for PT Nala Palma Cadudasa And Pt Hamparan Sentosa Estate, Kalimantan (Flood Management)
284.	Groundwater Modelling and Peat Fire Risk Management Study for the Proposed Mixed Development at Gamuda Cove, Tanjung 12, Kuala Langat, Selangor (Groundwater)
285.	Development of Hydrological Procedure and ICT Tools to Pre-Process Raw Hydrology Data for JPS Malaysia (Hydrology and ICT)
286.	Shoreline Monitoring Program for the Biannual 4 (B4) and Biannual 5 (B5) of Prai 1071 MW Combined Cycle Gas Turbine (CCGT) Project, Penang (Coastal)
287.	Hydraulic Study for the Application of Planning Permission for 220 acres Mixed Development in Bandar Lunas, Seksyen 11, Daerah Kulim, Kedah (Hydrology and Hydraulics)
288.	Hydrology & Hydraulic Detailed Design for Kuala Lumpur-Singapore High Speed Rail (Package 4) (Hydrology and Hydraulics)
289.	Hydraulic Modelling for the proposed Diversion of Batang Masang, PT Laras Estate Sumatera, Indonesia (Hydrology & Hydraulic)
290.	Development of Batu Dam Operating Rules Curve (ORC) (Hydrology & Hydraulic)
291.	Coastal Hydraulic Study for Muka Head disposal work (Coastal)
292.	Hydraulic & Hydrology Design for Proposed Kg Chempaka Bypass Scheme at LDP along JPS Sg Kayu Ara Reserve (Hydrology and Hydraulics)
293.	Proposed Mixed Development at Genting Permai, Bentong (ESCP)
294.	Proposed Ultra Low Sulphur Automotive Diesel Oil (ULSADO) Diesel Hydrotreater (DHT) Process Unit at the Existing Petron Port Dickson Refinery (PDR) Plant (ESCP & Water Quality)

# Project Experience – Cont'd

No.	Project Title (Type of Services)
295.	Putrajaya Dam Monitoring Work (Dam Monitoring)
296.	Assessment for Best Eternity Recycle Technology Sdn Bhd (Hydrology & Water Quality)
297.	Liwagu Hydropower Project (Hydrological Study)
298.	Metoccean & Wave Penetration Study for detailed design of Queensbay Waterfront Marina (Coastal Hydraulics)
299.	Hydrology and Hydraulics Study for Leader PV Plant in Kuala Ketil (Hydrology and Hydraulics)
300.	Dam Safety Review of Semenyih Dam 2018 (Dam Safety Review)
301.	Proposed 3 Phases Reclamation at Melaka (Coastal Hydraulic Study)
302.	Water Resources and Storage Requirement Study for the Durian Plantation at Gali Estate, Raub (Hydrology)
303.	Proposed Tin Mining at Pengkalan Hulu (Water Quality)
304.	Water Availability Study for XSD Paper Factory in Kedah as Part of the Feasibility Study (Hydrology)
305.	Hydrology and Hydraulics Study for Taman Desa Detention Pond (Hydrology and Hydraulic)
306.	Water Quality Study for Proposed Centralized Sewage Treatment Plant for Kuantan, Pahang (Water Quality)
307.	Effluent Discharge from Coronation Palm Oil Mill to Sungai Melantai, Kluang, Johor (Water Quality)
308.	XSD Paper Factory Water Abstraction Study in Kedah (Hydrology, Hydraulic, Water Quality)
309.	Coastal Monitoring Works for Dredging of Second Inner Harbour, reclamation and related coastal Protection works at Bintulu Port (Coastal Monitoring)
310.	Shoreline Monitoring for Power Plant Sea Water Intake Pipe and Head EPC Works, Pasir Gudang, Johor (Shoreline Monitoring)
311.	Proposed Upgrading of Jalan Kelupu/Jalan Tanjung Genting from Simpang Jalan Tulai to Lanang Bridge, Sibu Division, Sarawak (Erosion)
312.	Coastal Hydraulic Study for Proposed Development at Port Dickson, Negeri Sembilan (Coastal Hydraulic)
313.	ESCP for Rancangan Tebatan Banjir Sibu (Phase 3), Lembangan Batang Rajang, Sarawak (ESCP)
314.	Water Availability Study for Bidor Kossan Glove City (Hydrology)
315.	Setia Mayuri Pond Study (Hydrology & Hydraulic)
316.	H&H Study for Cooling Water Availability, Intake Optimization and Impact Assessment for Connaught Bridge Power Plant (Hydrology & Hydraulic)

# Project Experience – Cont'd

No.	Project Title (Type of Services)
317.	Sg Langat Saline Intrusion Study for Best Eternity Recycle Technology Sdn Bhd (Salinity)
318.	Water Availability, Hydraulic, and Water Quality Study for LUAS & EIA Submission for United Paper Board (M) Sdn Bhd (Hydrology, Hydraulic, Water Resources & Water Quality)
319.	Electrified Double Track from Gemas to Johore Bahru: Hydrology and Hydraulic Review and Modelling for Drainage Culvert Crossings (Hydrology & Hydraulic)
320.	Water Availability, Hydraulic, and Water Quality Study for LUAS & EIA Submission for Jing Xin Paper at Sg Langat (Hydrology, Hydraulic, Water Resources & Water Quality)
321.	Hydrology, Flood, Soil Erosion and Slope Stability Assessment for the Proposed Construction of Jalan Sungai Passin/Matu, Mukah, Sarawak (Hydrology, Hydraulic, Soil Erosion & EIA)
322.	Hydrology & Hydraulic Study for Banting Industrial City on Lot 74463 & Lot 74462, Mukim Tanjung Dua Belas, Daerah Kuala Langat, Selangor Darul Ehsan (Hydrology & Hydraulic)
323.	Biannual 6 (B6) Shoreline Monitoring Program for Prai 1071 MW Combined Cycle Gas Turbine (CCGT) Project, Penang (Coastal)
324.	Submarine Pipelines from Butterworth to Pulau Pinang - Package 3: Twin DN 1200mm Submarine Pipeline (Coastal)
325.	Kerja-Kerja Penyelenggaraan Struktur Dan Kemudahan Tasik & Wetland Wilayah Persekutuan Putrajaya (Jun 2019 - May 2022) (Dam Monitoring)
326.	Water Availability Study on Sg Muda for the Proposed Power Plant Project in Gurun, Kedah (Hydrology & Hydraulic)
327.	Shoreline Monitoring Program for the Proposed Coastal Chalets at Pulau Melaka (Shoreline Monitoring)
328.	Projek membina Jalan Baru Tatau ke Kuala Tatau, Bintulu (Erosion & Flood Risk)
329.	Water Resources Study for the Proposed Water Intake for Palm Oil Mill at Pekan, Pahang (Water Resources)
330.	River and Groundwater Quality Impact Study for Gold Mining in the State of Kelantan (Water Quality & Groundwater)
331.	Hydrology, Hydraulic, and Water Quality Assessment for EIA Submission for Best Eternity Recycle Technology Sdn Bhd (Hydrology, Hydraulic, Water Quality & Groundwater)
332.	Hydrological and Hydraulic Study for Upgrading Works at Sg Labu & Sg Langat Intake (Hydrology & Hydraulic)



# Project Experience – Cont'd

No.	Project Title (Type of Services)
333.	Soil Erosion and Hydrology Consultant for The Proposed Development Project in Lapok/Tinjar/Long Lama/Marudi (Soil Erosion / Flood Risk)
334.	Offshore Tin Mining at Pantai Tanjung Batu, Mukim Pengkalan Baharu, Daerah Manjung, Perak Darul Ridzuan (Coastal & Water Quality)
335.	Projek Pembangunan Stesen Pemindahan Sisa Pepejal Sanitari Tampin, Negeri Sembilan (ESCP)
336.	Sungai Besut Integrated River Basin Management Plan (Hydrology, Hydraulic & Catchment Management)
337.	Sungai Pontian Besar Integrated River Basin Management Plan (Hydrology, Hydraulic & Catchment Management)
338.	Sungai Marang Integrated River Basin Management Plan (Hydrology, Hydraulic & Catchment Management)
339.	Karambunai Expert Review on Coastal Protection (Coastal Hydraulic)
340.	Water Quality Study for Power Plant Project, in Gurun, Kedah (Water Quality)
341.	Development of Pelabuhan Tanjung Pelepas Free Zone Phase 3 and Tanjung Adang (Coastal & Water Quality)
342.	Hydrology, Hydraulic and Water Quality Assessment for LUAS and EIA Submission for Nine Dragons (Malaysia) Sdn Bhd (Hydrology, Hydraulic & Water Quality)
343.	Sg Langat Saline Intrusion Study for Hartalega NGC2 (Salinity)
344.	Sarawak Methanol Project Export (Permanent) Jetty Facility in Bintulu, Sarawak. (Coastal)
345.	Flood Assessment for Proposed Development at Subang Aerotech Park (Hydrology & Hydraulic)
346.	Proposed Development at Taman Subang Permai - Hydrology and Hydraulic Study (Hydrology & Hydraulic)
347.	Water Quality Assessment and Modelling, Sungai Kerteh, Terengganu (Water Quality)
348.	TNB Pergau Aqueduct Study (Hydrology & Hydraulic)
349.	NGC2-Water Availability Study for Hydrology & Hydraulic Modelling (Hydrology & Hydraulic)
350.	Coastal Hydraulic Study for Proposed Reclamation Works for 50 acres at Kawasan Bandar XLIV, Daerah Melaka Tengah, Melaka (Coastal Hydraulic Study)
351.	NAWABS Sungai Similajau (Hydrology, Hydraulic, Groundwater, Water Resources, Water Quality)
352.	Review of Coastal Hydraulic Study for UGSB and Jasasia, Melaka. (Coastal)

# Project Experience – Cont'd

No.	Project Title (Type of Services)
353.	Cadangan Pembangunan Pangsapuri Servis & Rumah Resort Air (Konsep Berpagar & Berpengawal) di Atas Hakmilik Tanah HSD 81972 Lot PT867 & HSD 84875 Lot PT 932, Kawasan Bandar XLIII, Daerah Melaka Tengah - Melaka untuk Tetuan Bonzer Development Sdn Bhd (Metocean, CFD and Scouring Study (Coastal))
354.	EIA for Lanthanide Mining at hutan Hulu Jelai Pahang (Hydraulic, Hydrology, Water Quality)
355.	Kajian Kemungkinan Dan Rekabentuk Pembangunan Sumber Air Di Sungai Pontian Besar Dan Pembinaan Baraj Sungai Pulai, Johor (Water Resources, Hydraulic, Hydrology, Water Quality, GIS)
356.	EIA For Expansion of Paper Mill at Bentong, Pahang (Hydraulic, Hydrology, Water Quality)
357.	Feasibility Study for Cambodia Raw Water Source Works (Water Resources, Hydrology)
358.	Water Availability Study for Hartalega's New Plant at Kedah (Water Resources, Hydrology)
359.	Proposed Reclamation Works Measuring 100 Acres, Town Area XLVI, Daerah Melaka Tengah, Melaka. (Coastal Hydraulic Study)
360.	Perkhidmatan Perunding Kajian Pelan Induk Saliran Mesra Alam, Serian, Sarawak (Urban Drainage)
361.	Distresses on the Existing Drainage Box Culvert at B6 Road, Iskandar Puteri, Johor (Hydrology and Hydraulic)
362.	Feasibility Study On Alternative Raw Water Supply for Batu Kitang Water Treatment Plant, Kuching (Water Resources)
363.	Consultancy Services of Hydrology and Hydraulic Study for Design Package 4: from CH470+000 to CH536+400 (East Coast Rail Link Project) (Hydrology and Hydraulic)
364.	Coastal Hydraulic Study for Senibong Plot 4, Senibong Cove (Coastal Hydraulic Study)
365.	Flood Analysis for the Proposed Development at Batu Berendam, Melaka (Rev 1) (Flood Study)
366.	Consultancy Services for Providing Input for the Preparation of Guideline Related to Hydrology, Hydraulic, Salinity modelling and Groundwater modelling (SPAN Guideline)
367.	Hydrologist Consultancy Services for Bandar Sunway, 47500 Selangor Darul Ehsan (Hydrology and Hydraulic)
368	Hydrology, Hydraulic, and Water Quality Assessment for EIA & LSANK Submission for the proposed Yuhua Paper Factory Project in Bukit Selambau Industrial Park, Kedah (Hydrology, Hydraulic & Water Quality)

# Project Experience – Cont'd

No.	Project Title (Type of Services)
369	First Schedule EIA for Permohonan Mengeluarkan Batu Batan Granite (Kuari) di Hutan Simpan Segari Melintang, Mukim Pengkalan Baharu, Daerah Manjung, Perak (ESCP)
370	Coastal Hydraulic Study for the Proposed Rehabilitation Work at Jelutong, Pulau Pinang (Coastal Hydraulic Study)
371	Receiving Water System Assimilative Capacity Study in Kerteh Integrated Petrochemical Complex, Terengganu (Hydrology, Hydraulic & Water Quality)
372	EIA for SK318 Rosmari and Marjoram Project Development, Onshore Gas Plant (OGP), Bintulu, Sarawak. (Coastal Hydraulic Study)
373	Pasir Gudang Spurline Hydraulic Design (Hydrology & Hydraulic)
374	Water Availability Study For Lian Tatt Food Sdn Bhd, Batu Pahat, Johor (Hydrology, Water Resources)
375	Engineering Services for Langkawi Water Resource Project (Hydrology, Water Resources & Coastal)
376	Detailed Design of Bluewater Pond, Seri Kembangan, Selangor (Hydrology & Hydraulic)
377	Catchment Management Plan for the Proposed Development in Air Keroh Country Club, Melaka Tengah District, Melaka (Hydrology, Hydraulic, Dam Break EAP)
378	Kajian Pelan Induk Saliran Mesra Alam for Betong, Saratok, Spaoh Dan Debak, Sarawak
379	Coastal Hydraulic Study for Proposed Reclamation at Moat Peam, Cambodia (Coastal Hydraulic Study)
380	Coastal Hydraulic Study for Sand Dredging and River Deepening at Setiu River Mouth, Terengganu (Coastal Hydraulic Study)
381	Formal Safety Inspection (FSI) for Durian Tunggal Dam, Alor Gajah, Melaka (Review PMP & PMF, Sedimentation Assessment)
382	Water Quality Study for the EIA of the proposed Lanthanide Mining at mukim Kenering, Deaerah Hulu Perak (River & Groundwater)
383	River Quality Impact Study for the Proposed Development of a Long-Term Storage Facility for the Storage of Water Leach Purification Residue, Bukit Ketam Pahang (River Water Quality)



# Project Experiences - Maritime

No.	Project Title (Type of Services)
1.	Market Study & Conceptual Design Options for 3,350 Acres Reclamation Works for Port Facility at Mukim Jugra, Pulau Indah (Feasibility Study)
2.	Investigation into Pier Failure at Pulau Indah Pipeline Bridge and proposal for remedial work (Forensic Structural Services)
3.	Peer Design Review of Reclamation and Shore Protection Works for the Redevelopment of Kota Kinabalu Airport (Peer Review)
4.	Proposed Jetty Rehabilitation and Upgrading Works for Jetty at IMPSA Lumut Fabrication Yard (Port Structure Engineering)
5.	Proposed Preliminary Design for Offshore Unloading Facilities for Desalination and Power Plants at Shuqiaq, Saudi Arabia (Port Structure Engineering)
6.	Sg. Klang River Basin Flood Mitigation and Maintenance Scheme (Technical Coordination)
7.	Peer Design Review 275m Long Port Berthing Sheetpile Structure and Breakwater at new Port of Ehoala, Madagascar (Peer Review)
8.	Design and Construction Supervision For Sg. Kelantan Flood Mitigation Works at Kota Bahru East River Bank Stretch (Technical Coordination)
9.	Sg. Merbok Pollution Prevention and Water Quality Improvement Study (Subject Specialist - Coastal)
10.	Integrated Environmental Study for the Proposed Coastal Developments in Labuan (Subject Specialist - Coastal)
11.	Gurney Drive Reclamation Project, Penang (Promotevest Services Sdn. Bhd. (Coastal Engineering)
12.	LNGC Puteri Zamrud Contact Damage with Stores Platform at LNG, Berth 3, Bintulu - Desk Top Review (Forensic Structural Engineering)
13.	Review of Coastal Aspects for the National Water Resources Study (2000-2050) and Formulation of National Water Resources Policy (Subject Specialist - Coastal)
14.	Design Review for Revetment Design at RimbaTerjun Landfill (Coastal Engineering)
15.	Remedial Works for Construction, Completion Batang Paloh HDPE Submarine Water Pipes Crossings at Batang Belawai, Mukah Division, Sarawak (Coastal Engineering)
16.	Design Engineering Services for Hulu Terengganu Hydro Electric Power Dam Scheme (Technical Coordination)
17.	Integrated River Basin Management Study for Sg Perak (Subject Specialist - Coastal)

# Project Experience – Cont'd

No	Project Title (Type of Services)
18	River Protection Input for Preliminary Environment Impact Assessment for Electrification Double Track Project from Gemas to Johor Bahru for ASPEC (Subject Specialist - Coastal)
19	Accreditation of ESSAR Eng. Drawings for Phase 1A of 15MTPA Iron Ore Distribution Centre of M/S Vale at Teluk Rubiah, Lumut (Technical Coordination)
20	Sebulu CPO Barge - Peer Review on the Design of the Proposed Berthing Facilities (Peer Review)
21	APEC SCE02-2010. Independent Assessment of APEC Fisheries Working Group & Marine Resource Conservation Working Group (Subject Specialist - Coastal)
22	Engineering Consultancy Service for 25,000MT Load Out Facility Phase 1 (Skid Track) (Port Structure Engineering)
23	Sungai Langat Water Abstraction Studies for Megasteel Sdn Bhd - River Navigation Study Component for ASPEC (Subject Specialist - River Navigation)
24	Detailed EIA for the Proposed Construction of Breakwater, Capital Dredging and other Ancillary Works for the New Deepwater Terminal at Kuantan Port, Pahang (Subject Specialist - Coastal)
25	Proposed Reclamation of 170 Acres for Mixed Development at Pekan Klebang, Melaka (Coastal Engineering)
26	River of Life - Institutional and Legal Assessment for ASPEC Study (Technical Coordination)
27	Foam Study for TNB Research at TJPS and Manjung Power Station (Coastal Engineering)
28	Proposed Reclamation and Development at Bayan Mutiara, Penang. (Coastal Engineering)
29	Design Consultancy Services for guide/awning piles to accommodate 2 Nos. Patrol Boats at Mukim Losong, Sabah. (Subject Specialist - Coastal)
30	Confidential Proposal for Consultancy Services to Study Future Development of Yangon Ports (Feasibility Study)
31.	Consultancy Services for Basement Waterproofing & Maritime Peer Review (Peer Review)
32.	Teluk Burau Resort Preliminary Conceptual Master Plan Study (Coastal Engineering)
33.	Geotechnical, Reclamation and Load out Wharf (Combined Package Feasibility Study for 3 sites in Malaysia (Feasibility Study)

# Project Experience – Cont'd

No	Project Title (Type of Services)
34.	Jet docks Docking System for Marine Police Jetty, Terengganu & Kelantan (Subject Specialist - Coastal)
35.	Design of Fender Upgrade for BLT Petron Malaysia Refining Jetty at Butterworth (Port Structure Engineering)
36.	Hydraulic and Guidance Advice for Masterplan for Marina Design for Capital Land - Danga Bay Marina & Resort Development (Feasibility Study)
37.	Proposed Development for Pantai Kok Project, Langkawi (Coastal Engineering)
38.	Reclamation Works for Ideal Queensbay Waterfront, Penang (Coastal Engineering)
39.	Proposed 450m Long Wharf and Reclamation for the Development Oil and Gas Centre at Kemaman Supply Base at Teluk Kalung, Kemaman (Port Structure Engineering)
40.	Proposed Development of Residential South, Puteri Harbour, Iskandar, Johor (Coastal Engineering)
41.	Marine Traffic & Navigational Safety Study for DEIA for the Proposed Reclamation for Development of Oil & Gas Industrial Base in Kg. Ranche-Ranche, Labuan (Subject Specialist - Port)
42.	Foam Study for TNB Research at TJPS - Phase 2 - PD2 Outlet (Coastal Engineering)
43.	Proposed Reclamation and Development at Batu Maung, Penang (Coastal Engineering)
44.	Penang South Island Schemes Reclamation – Gamuda (Coastal Engineering)
45.	Hydraulic Modelling Studies for Pasir Gudang TNBR (Coastal Engineering)
46.	Hydraulic Modelling Studies for Plentong, Johor (Coastal Engineering)
47.	Proposed 120 Acres Reclamation and Development at Klebang, Melaka (Coastal Engineering)
48.	Cadangan Penambahan Tanah Kerajaan di atas Plot A Seluas 150 Ekar untuk tujuan Pembangunan Perniagaan, Daerah Melaka Tengah, Melaka (Coastal Engineering)
49.	Titjaya Reclamation (Coastal Engineering)
50.	Desktop Study of Coal Import Facilities at East Coast of Peninsula Malaysia taking into account Climate Change Impact for TNBR (Subject Specialist - Coastal)
51.	Options Study for Proposed Kapar Power Station Cooling System Cooling Water System (Subject Specialist - Coastal)

# Project Experience – Cont'd

No	Project Title (Type of Services)
52	Design of River Bank Flood Protection Works at Johan Setia, Klang (Technical Coordination)
53	Site Suitability Study for New Gas Power Plant at Ranca-Ranca, Labuan (Subject Specialist - Coastal)
54	Proposed Preliminary Design of River Protection Works Fuk Teng K'ung Temple, Kuching, Sarawak (Subject Specialist - River)
55	Proposed Design of River Protection Works for East Coast Rail Link (Subject Specialist - Coastal)
56	DOE Guideline for Reclamation, Dredging and Port (Subject Specialist - Coastal)
57	Proposed 1,000 Acres Reclamation and Development at Butterworth, Penang (Coastal Engineering)
58	Earthwork Submission for Beach Terrace Puteri Harbour, Johor (Coastal Engineering)
59	Integrated Shoreline Management Plan (ISMP) for Sarawak (Subject Specialist – Coastal Structure Input)
60	Authority Submission for Marina, Design Review (Detailed Design for Queensbay Waterfront by MSI) and Marina Guide Pile Design for Proposed Marina at Petak C Queensbay Waterfront, Penang (Coastal Engineering)

# Project Experiences – Dam & Water Services

No	Project Title (Type of Services)
1.	Projek Bekalan Air Luar Bandar (BALB) di Negeri Sarawak Tahun 2010 – 2012 (Water Supply)
2.	Proposed Sg. Rengit/ Pengerang Distribution Improvement, Sg. Sayong Sludge Treatment Facility and Rehabilitation of Bukit Tempayan Reservoir, Johor. (Water Treatment / Distribution System)
3.	Investigation, Survey, Design, Tender Documentation and Construction Supervision of the Miri Water Supply Source Development in Miri, Sarawak (Water Resources / Distribution System)
4.	Review of Tianchang WTP Process Improvement Report (Water Treatment)
5.	Proposed Bertam DAF Phase 2 Water Treatment Plant, Durian Tunggal, Melaka (Water Treatment)
6.	Projek Perintis Penggunaan Kaedah Penapis Tebing Sungai (River Bank Filtration) di Loji Kota Lama Kiri, Kuala Kangsar, Perak (Water Treatment)
7.	Kuala Kangsar Loji Air Kota Lama Kiri – Aerator, Pipeline and M&E (Water Treatment Plant)
8.	Feasibility Study and Detailed Engineering Design for “Sistem Bekalan Air Lahad Datu” (Water Treatment Plant / Distribution System)
9.	Sg. Labu & Sg. Langat Intakes, Pump Stations, Piping System for Raw Water and Effluent Discharge And Associated Works (Water Resources / Intake Works)
10.	Design & Build Project for Full Refurbishment Works at Pedu Dam, Muda Agricultural Development Authority (MADA), Kedah Darul Aman, Malaysia (Dam)
11.	Proposed Groundwater Well Construction, Development and Supply at Berjaya City Industrial Zone (Lot 25), Mukim Sungai Tinggi, Daerah Hulu Selangor, Selangor Darul Ehsan. (Water Resources / Ground Water)
12.	Bekalan Air Samalaju, Bahagian Bintulu, Sarawak Proposed Sg. Similajau Reservoir and Associated Facilities (Distribution System)
13.	Bekalan Air untuk Cadangan Pembangunan Bercampur Gerbang Nusajaya Mukim Pulau Johor Bahru (Water Supply)
14.	Proposed Bintulu Water Treatment Plant Extension (Water Treatment Plant)
15.	Feasibility Study for the Proposed Raw Water Source Development and Raw Water Transfer System for the Board's Batu Kitang Water Treatment Plant Complex (Water Resources / Distribution System)

# Project Experience – Cont'd

No	Project Title (Type of Services)
16.	Feasibility Study for the Proposed Development of Betong Raw Water Source, Bahagian Betong, Sarawak (Water Resources)
17.	Kajian dan Pengambilan Tanah Bagi Skim Bekalan air Lembangan Sg. Linggi (Bunded Storage), Negeri Sembilan (Water Resources / Bunded Storage)
18.	NGC Raw Water Source Works (Relocation of Sg. Langat Intake, Pump Station, and Associated Raw Water Pipe) (Water Resources / Intake Works)
19.	Tailing Dam Engineering for Tawau Gold Mine (Water Resources)
20.	Hydrology, Hydraulic and Water Quality Assessment for LUAS and EIA Submission for GS Paper & Packaging Sdn Bhd (Water Resources)
21.	Conceptual Study Untuk Sludge Dewatering Facility Bagi Loji Rawatan Air Gunung Semanggol Rancangan Bekalan Air Daerah Larut Matang, Selama dan Kerian (Sludge Treatment)
22.	Kerja-Kerja Meningkatkan Sumber Air Mentah di Loji Rawatan Air Gemas, Negeri Sembilan (Water Resources / Bunded Storage /Spillway Gate)
23.	Water Supply Demand and Distribution Study for Negeri Sembilan (Water Supply/Distribution Study)
24.	Water Supply Demand and Distribution Study for Jelebu, Jempol, Kuala Pilah and Tampin (Water Supply/ Distribution Study)
25.	Dam Safety Review of Semenyih Dam 2018 (Dams)
26.	Inspection of Balancing Reservoir at Sg. Semenyih WTP (Water Treatment Plant)
27.	Sungai Selangor Water Supply Scheme Phase 3 Condition Assessment on Surge Suppression System of SSP3 Bukit Badong Water Treatment Plant (Water Treatment Plant)
28.	Perkhidmatan Perunding Kejuruteraan untuk Cadangan Menambahbaik Sistem Agihan di Pagoh, Muar, Johor (Reservoir / Pipeline)
29.	Study for Upgrading Works at Sg. Labu & Sg. Langat Intake (Water Resources)
30.	Relocation of 1000mm Dia Discharge Main & Proposed Future Services Crossing MEX Highway (Sg. Langat Intake) (Water Resources)
31.	Feasibility Study And Conceptual Design Of Water Resources Development At Sungai Pontian Besar And the Construction of Sungai Pulai Barrage, Johor (Water Resources)

# Project Experience – Cont'd

No	Project Title (Type of Services)
32.	Alternative Incoming Water Supply System for Emerald Hills Development (Reservoir / Pipeline)
33.	Feasibility Study for Cambodia Raw Water Source Works (Water Resources)

# Company Registration & Award

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## Company Registration:-

- Commission of Companies, Malaysia
- Board of Engineers, Malaysia
- Ministry of Finance, Malaysia
- Tenaga Nasional Berhad

## Award:-

- Gold Award of Special Merit by the Association of Consulting Engineers Malaysia (ACEM), 2010

## ISO Certificates:-

- ISO 9001: 2015
- UKAS Accredited Certificate





SURUHANJAYA SYARIKAT MALAYSIA  
COMPANIES COMMISSION OF MALAYSIA

CERTIFIED TRUE COPY

YEW NGUK CHIEK  
(BC/Y/186)  
Secretary

BORANG 13  
AKTA SYARIKAT 1965

[Seksyen 23(2)]

No. Syarikat

737630

U

**PERAKUAN PEMERBADANAN ATAS PERTUKARAN  
NAMA SYARIKAT**

Dengan ini diperakui bahawa

**G&P WATER SDN. BHD.**

yang telah diperbadankan di bawah Akta Syarikat 1965, pada  
14 haribulan Jun 2006, sebagai sebuah syarikat persendirian,  
pada 28 haribulan November 2013 telah menukar namanya kepada

**G&P WATER & MARITIME SDN. BHD.**

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

Diberi di bawah tandatangan dan meterai saya di Kuala Lumpur  
pada 28 haribulan November 2013.



UserID: andisoh Date: 28/11/2013 3:44:35 PM

**NOORLIDA HANIM BINTI AHMAD**  
PENOLONG PENDAFTAR SYARIKAT  
MALAYSIA

NO. SIRI: SSM 5670908



CERTIFIED TRUE COPY

**SURUHANJAYA SYARIKAT MALAYSIA**  
**COMPANIES COMMISSION OF MALAYSIA**

**YEW NGUK CHIEK**  
(BCY/186)  
Secretary

**BORANG 9**

**AKTA SYARIKAT 1965**

**[Seksyen 16(4)]**

**No. Syarikat**

**737630**

**U**

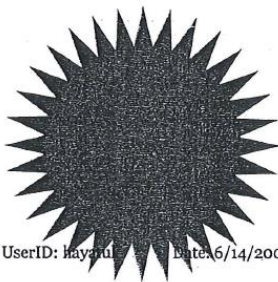
**PERAKUAN PEMERBADANAN SYARIKAT SENDIRIAN**

Adalah diperakui bahawa

**G&P WATER SDN. BHD.**

telah diperbadankan di bawah Akta Syarikat 1965, pada dan mulai dari  
14 haribulan Jun 2006, dan bahawa syarikat ini adalah sebuah syarikat  
berhad menurut syer dan bahawa syarikat ini adalah sebuah syarikat sendirian.

Dibuat di bawah tandatangan dan meterai saya di Kuala Lumpur  
pada 14 haribulan Jun 2006:



**PUTEH BINTI MAHMOOD**  
PENOLONG PENDAFTAR SYARIKAT  
MALAYSIA

UserID: haydu Date: 6/14/2006 2:41:15 PM

**NO. SIRI: SSM 286829**



AKTA SYARIKAT 2016

[Seksyen 28]

No. Syarikat – MyCoID

737630	U
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**NOTIS PERAKUAN PEMERBADANAN ATAS  
PERTUKARAN NAMA SYARIKAT**

Dengan ini diperakui bahawa

**G&P WATER & MARITIME SDN. BHD.**

yang telah diperbadankan di bawah Akta Syarikat 2016, pada  
14 haribulan Jun 2006, sebagai sebuah syarikat persendirian,  
pada 04 haribulan Oktober 2019 telah menukar namanya kepada

**GLOBAL WATER CONSULTANTS SDN. BHD.**

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

Pendaftar Syarikat Malaysia

Notis ini dicetak oleh komputer, oleh itu tidak perlu ditandatangani

UserID : ahafsah Date : 04/10/2019 03:19:05 PM

MENARA SSM@SENTRAL

NO. 7, JALAN STESEN SENTRAL 5, KUALA LUMPUR SENTRAL, 50623 KUALA LUMPUR  
OPERATOR: 03-2299 4400 CONTACT CENTRE: 03-7721 4000 FAKS : 03 - 7721 4001 EMEL : enquiry@ssm.com.my

(Borang F)

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



No. Perakuan : **2006-1000-00000-BC-924**

**LEMBAGA JURUTERA MALAYSIA**

**PERAKUAN PENDAFTARAN SEBAGAI AMALAN JURUTERA PERUNDING**

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama : **Perbadanan Korporat  
GLOBAL WATER CONSULTANTS SDN BHD**

Alamat : **UNIT 23-4 JALAN TASIK SELATAN 3  
BANDAR TASIK SELATAN  
BANDAR TASIK SELATAN  
57000 KUALA LUMPUR  
W. PERSEKUTUAN (K.L)  
MALAYSIA**

Cawangan Kejuruteraan: **\*\* CIVIL \*\***

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

Syarat-syarat:

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 : 21 April 2020





KEMENTERIAN KEWANGAN MALAYSIA  
SIJIL AKUAN PENDAFTARAN FIRMA PERUNDING

NO. SIJIL : J60387338532174011  
NO. RUJUKAN PENDAFTARAN : 465-02031643  
TEMPOH SAH LAKU : 22/01/2019 - 24/01/2022

Bahawa dengan ini diperakui syarikat :

GLOBAL WATER CONSULTANTS SDN. BHD. ( 737630-U )  
UNIT 23-4, 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 perolehan Kerajaan adalah seperti berikut :

LIM SIN POH	681223015047	MANAGING DIRECTOR
YONG SIEW FANG	770502015802	DIRECTOR
HARYANTI BINTI MOHD RASHID	800209105344	ADMIN OFFICER

t.t

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

Tarikh Berdaftar Dengan Kementerian Kewangan Malaysia : 22/01/2019

(Sijil ini adalah cetakan komputer dan tidak memerlukan tandatangan)

## LAMPIRAN A

NO SIJIL : J60387338532174011  
NO RUJUKAN PENDAFTARAN : 465-02031643  
TEMPOH SAH LAKU : 22/01/2019 - 24/01/2022

BIL	TARIKH DAFTAR BIDANG	KOD BIDANG	KETERANGAN	STATUS
1	19/01/2019	330101	PERKHIDMATAN PERUNDING FIZIKAL/ KEJURUTERAAN/ KEJURUTERAAN AWAM	Aktif
2	19/01/2019	330102	PERKHIDMATAN PERUNDING FIZIKAL/ KEJURUTERAAN/ KEJURUTERAAN STRUKTUR	Aktif

Tarikh Berdaftar Dengan Kementerian Kewangan Malaysia : 22/01/2019

*Ini adalah cetakan komputer dan tidak memerlukan tandatangan.*



*Dengan ini disahkan bahawa*

**GLOBAL WATER CONSULTANTS SDN. BHD.  
23-4, JALAN TASIK SELATAN 3  
BANDAR TASIK SELATAN  
57000 , KUALA LUMPUR , WILAYAH PERSEKUTUAN**

*Telah berdaftar dengan Tenaga Nasional Berhad sebagai*  
**Perunding Perkhidmatan**  
*di bawah kategori yang tercatat dalam sijil ini*

\*\*\*\*\*  
330101, 330102\*\*\*

\*\*\*\*\*  
**BUTIR-BUTIR PENDAFTARAN**

NO PENDAFTARAN TNB	:	3037431
NO PENDAFTARAN SYARIKAT	:	737630U
NO SIJIL KEMENTERIAN KEWANGAN	:	J60387338532174011
TEMPOH SAHLAKU SEHINGGA	:	24.01.2022
TARAF	:	TIDAK BERKAITAN
LAIN-LAIN PENDAFTARAN	:	

*Tarikh tempoh sahlaku pendaftaran ini adalah tertakluk kepada tempoh sahlaku Pendaftaran sijil-sijil Kementerian Kewangan(KK), Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) dan sijil-sijil professional yang berkaitan.*

**Ir. Syed Abu Hanifah bin Syed Alwi  
Ketua Pegawai Perolehan  
Bahagian Perolehan  
Tenaga Nasional Berhad**

**Tarikh kelulusan : 24.04.2019**

*Ini adalah cetakan komputer dan tidak memerlukan tandatangan.*





ASSOCIATION OF CONSULTING ENGINEERS MALAYSIA

# Engineering Award 2010

## Gold Award of Special Merit

conferred on

G&P Professionals Sdn. Bhd.

for their contribution in

Sg. Damansara Flood Mitigation Project

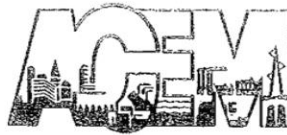
for

Wijaya Baru Sdn. Bhd.

Ir. Dr. Abdul Majid b. Dato' Abu Kassim  
President

Ir. Prem Kumar  
Honorary Secretary

*given this 19th day of June 2010*



THE ASSOCIATION OF CONSULTING ENGINEERS MALAYSIA

## Certificate of Appreciation

This certificate is given to

**G&P Professionals Sdn Bhd**


for having submitted the project

**Study on the Formation of Cooling Water Outfall  
Foam at Thermal Power Stations and Its Impact  
to the Marine Environment**

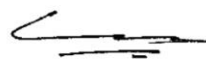
for the

**ACEM Engineering Awards Competition 2015**

*given this 19th day of August 2015*



Ir. Prem Kumar  
President



Ir. Anuar Mohd Aris  
Honorary Secretary

*Council Session 2015/2016*



## CERTIFICATE



SIRIM QAS International Sdn. Bhd. hereby certifies that

**GLOBAL WATER CONSULTANTS SDN BHD**  
**UNIT 23-4, 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 ENGINEERING CONSULTANCY SERVICES FOR CIVIL  
ENGINEERING WORKS.**



Issue Date : 17 September 2020

Original Certification Date : 20 May 2011

Expiry Date : 19 May 2023

Certificate No. : QMS 02349

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 BIN SALLEH**  
Chief Executive Officer  
SIRIM QAS International Sdn. Bhd.

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





## CERTIFICATE

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

**GLOBAL WATER CONSULTANTS SDN BHD**

UNIT 23-4, 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 ENGINEERING CONSULTANCY SERVICES FOR  
CIVIL ENGINEERING WORKS.**

which fulfils the requirements of the following standard:

**ISO 9001 : 2015**

Issued on : 17 September 2020


First issued on : 20 May 2011

Expires on : 19 May 2023

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 02349



  
Alex Stoichitoiu  
President of IQNet

  
Mohd Azanuddin Salleh  
Chief Executive Officer  
SIRIM QAS International Sdn Bhd



**IQNet Partners\*:**

AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CISO Italy  
CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany EAGLE Certification Group USA  
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

\* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under [www.iqnet-certification.com](http://www.iqnet-certification.com)



Lloyd's  
Register

## Certificate of Approval

This is to certify that the Management System of:

**G&P Dams & Water Services Sdn. Bhd.**  
**(875291-T)**

23-5 Jalan Tasik Selatan 3, Bandar Tasik Selatan, 57000 Kuala Lumpur, Malaysia

has been approved by LRQA to the following standards:

ISO 9001:2015

Basem Obaid - Area Operations Manager

Issued By: Lloyd's Register of Shipping (M) Bhd

Current Issue Date: 8 February 2018  
Expiry Date: 16 March 2021  
Certificate Identity Number: 10055188

Original Approvals:  
ISO 9001 – 17 March 2015

Approval Number(s): ISO 9001 – 0048471

The scope of this approval is applicable to:  
Provision of engineering consultancy services including feasibility studies, design and project supervision of  
dam and water supply.



MS ISO/IEC 17021:2011  
QS 12022007 CB 06

Lloyd's Register Group Limited, its affiliates and subsidiaries, including Lloyd's Register Quality Assurance Limited (LRQA), and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be held to be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or for any other reason, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.  
Issued By: Lloyd's Register of Shipping (M) Bhd, Level 38, Tower A, Near Tower Platinum Park, No. 10, SDOB Perdana RLOC, Kuala Lumpur, Malaysia



MALAYSIAN INTERNATIONAL CHAMBER OF COMMERCE AND INDUSTRY<sup>(16841-V)</sup>  
DEWAN PERNIAGAAN DAN PERINDUSTRIAN ANTARABANGSA MALAYSIA  
马来西亚国际总商会

## *Certificate of Membership*

THIS IS TO CERTIFY THAT  
**GLOBAL WATER CONSULTANTS SDN BHD**

IS A MEMBER OF THE  
MALAYSIAN INTERNATIONAL CHAMBER OF COMMERCE AND INDUSTRY  
WITH EFFECT FROM 2020 (Membership No: 2655).

  
MICCI PRESIDENT





## **SIJIL AKUAN STATUS PKS**

**NO. RUJUKAN PENDAFTARAN : SME201100122**

**TEMPOH SAH LAKU : 3/11/2020 - 2/11/2021**

**Bahawa dengan ini diperakui syarikat :  
GLOBAL WATER CONSULTANTS SDN BHD (737630U)**



**Telah berdaftar dengan SME Corp. Malaysia dan disahkan berstatus PKS.**

**t.t**

**Rizal Nainy  
Ketua Pegawai Eksekutif  
SME Corp. Malaysia**

(Sijil ini adalah cetakan komputer dan tidak memerlukan tandatangan)





MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY  
MINISTRY OF HUMAN RESOURCES



## *Certificate of Recognition*

GLOBAL WATER CONSULTANTS SDN BHD (737630U)

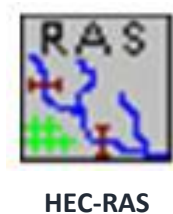
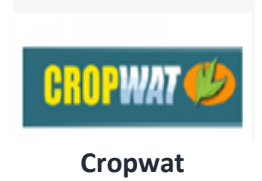
for

**Shared Prosperity Organisation**

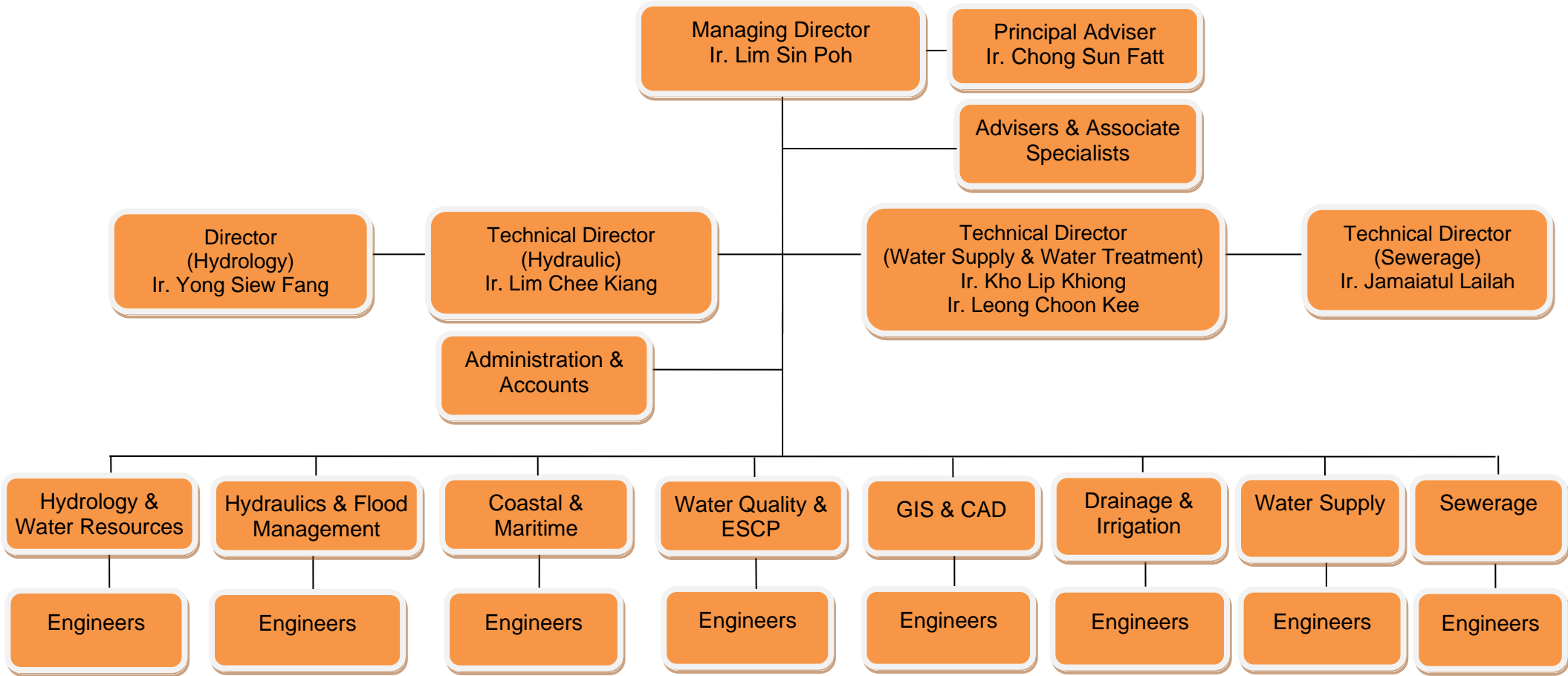
28 October 2020

000043

## Software Owned / Applied



# Organization Chart



## Profile of Principal Adviser

*“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.



**Ir. Chong Sun Fatt**

M. Sc. (KUL), B. Eng. (Hons) (UM),  
MIEM, P. Eng. CPESC, CPSWQ  
Principal Adviser & Co-Founder  
Global Water Consultants Sdn Bhd  
(Previously known as G&P Water & Maritime Sdn Bhd)

## Profile of Managing Director



**Ir. Lim Sin Poh**

M. Eng.(NTU), B. Eng.(Hons)(UTM),  
MIEM, P.Eng., CPESC, MMWA  
Founder, Managing Director  
Global Water Consultants Sdn Bhd  
(Previously known as G&P Water & Maritime Sdn Bhd)  
Co-Founder & Joint Executive Secretariat  
IACRR

*“ 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.

## Profile of Director



**Ir. Yong Siew Fang**  
B.Eng. (Hons, Civil-Environmental),  
UTM (2000)  
MIEM, P.Eng.  
Director  
Global Water Consultants Sdn Bhd  
(Previously known as G&P Water &  
Maritime Sdn Bhd)

Ir. Yong has 18 years of experience in the field of Hydrology and Water Engineering. She obtained the B. Eng. (Hons. Civil-Environmental) from the University Technology Malaysia in 2000. She has involved in numerous projects on Hydrology, Water Resources, Flood Mitigation, Irrigation and Drainage. One of the notable projects involved is the hydrological design for KTM Double Track in year 2006, High Speed Rail (HSR) 2017 and ECRL 2017.

Ir. Yong Siew Fang has vast experience in the hydrological analysis and modelling involving both the flood and low flow assessment. She has involved in about 70 projects and studies related to the hydrological analysis and modelling for the flood mitigation projects, dam design, water controlling structures, drainage master plan, dam break analysis, flood investigation, flood forecasting and water source work development. Her experience covering from the hands-on hydrological data analysis and modelling to the leading and planning of the hydrological related projects.

## Profile of Director



**Ir. John Lim Chee Kiang**  
B.Eng.Civil Engineering (Hons),  
UM (1999)  
MIEM, P.Eng., CISEC  
Director  
Global Water Consultants Sdn Bhd  
(Previously known as G&P Water &  
Maritime Sdn Bhd)

*“Teamwork, love and trust are the pillars of success.”*

Ir. John Lim has 20 years of experience contributing in Water Resources, Hydrology and Hydraulics, drainage and flood mitigation project, dam break analysis and modelling, soil erosion and sedimentation study and EIA study.

Ir John Lim has been involved in various mega projects in local and Asean countries across various sector such as technical review for loss adjusters in dispute arises due to the flooding events, assisting the property developers, and oil palm estate companies to mitigate their flooding problems.

He has also involved in various EIA studies as the hydraulic specialist in providing input to the environmental scientist for the impact assessment study.

He has recently involved in the Kuala Lumpur -Singapore High Speed Rail (HSR) and the East Coast Rail Link (ECRL) projects.

# *Profile of Technical Director (Water Supply & Water Treatment)*

---



**Ir. Kho Lip Khiong**  
B. E. (Civil), GCH, MSc, MIEM,  
P. Eng, MACEM, MMWA  
Technical Director (Water Supply)  
Global Water Consultants Sdn Bhd  
(Previously known as G&P Water  
& Maritime Sdn Bhd)

*“Serve with Honour, committed to Excellent”*

Ir. Kho Lip Khiong obtained his Bachelor of Civil Engineering Degree from Universiti Teknologi Malaysia in 1992, and his Graduate Diploma on Surface Water Hydrology in University of New South Wales, Sydney, Australia in 1996.

He completed his Master of Engineering from Universiti Putra Malaysia in 2002. From 1992-2004, Ir. Kho served a number of local and state government authorities such as SESCO, JKR and LAKU where he has gained his experience in Hydrology, Hydropower Dams Feasibility Study, water supply engineering, management & operation of water supply and major development project management.

In 2004 he joined an International Consultant as a local partner; he was the Project Director for Groundwater Resources Development in Perak and a major hydropower Pre Feasibility & Feasibility Study in Sarawak. Since Oct 2009, he has taken up the role of a Water Supply Technical Director for G&P Water & Maritime Sdn Bhd. He currently has 25 years of experience in the field.



## *Profile of Technical Director (Water Supply & Water Treatment)*

---



**Ir. Leong Choon Kee**  
B. Eng (Hons) Civil,  
MIEM, P.Eng. MMWA, SPAN QP  
Technical Director  
Global Water Consultants Sdn Bhd  
(Previously known as G&P Water &  
Maritime Sdn Bhd)

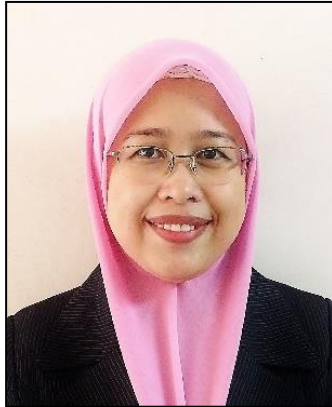
*“The quality of a person’s life is in direct proportion to their commitment to excellence, regardless of their chosen field of endeavor.”*

Ir. Leong Choon Kee obtained his Bachelor of Civil Engineering from University of Technology Malaysia in 1991. He has extensive and wide ranging experience in planning, study, detailed design, implementation and contract administration of large scale water supply schemes throughout Malaysia. Some of the major water supply projects that he was involved are Langat II Distribution System (Western Corridor), Semangar Water Supply Scheme, Miri Water Supply Source Development Phase 2 Works, Water Supply Demand and Distribution Study for Negeri Sembilan and Iskandar Development Region. Ir. Leong is registered as a Professional Engineer with Practising Certificate with the Board of Engineers Malaysia and member of Institution of Engineers Malaysia and Malaysian Water Association. He is also a Qualified Person of National Water Services Commission (SPAN).



## *Profile of Technical Director (Sewerage)*

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Ir. Jamaiatul Lailah Binti Mohd Jais graduated B.Eng (Chemical) Hons., UPM (2002) and MSc. (Civil Engineering), UiTM. She is a qualified Professional Engineer with Practicing Certificate in Chemical Engineering with over 15 years of working experience in the water wastewater industry.

**Ir. Jamaiatul Lailah Binti Mohd Jais**  
B.Eng. (Chemical) Hons,  
UPM (2002), Msc. (Civil Engineering, UiTM  
Technical Director  
Global Water Consultants Sdn Bhd  
(Previously known as G&P Water & Maritime Sdn Bhd)

## *Profile of Technical Director (Irrigation)*

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**Dato' Ir. Hor Tek Lip**  
BSCE, Norwich University, USA (1981)  
MSc (Eng) University of Birmingham (UK)  
(1997), FIEM, PEng.  
Technical Director  
Global Water Consultants Sdn Bhd  
(Previously known as G&P Water &  
Maritime Sdn Bhd)

Dato Ir. Hor has a BSCE degree from Norwich University, USA in 1981 and MSc(Eng) from University of Birmingham, UK in 1997. He was with the Muda Agricultural Development Authority (MADA) for over 35 years (1981-2017), holding various positions and retired as Deputy General Manager (Technical). He has experienced in planning, design, construction and operation and maintenance of drainage and irrigation scheme. He is also experienced in Dam Operation, maintenance and safety monitoring; water resources management; and muddy shoreline protection.

## *Profile of Specialists*

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Dr. Wang Zhi Qian graduated with a PhD. in Nanyang Technological University (Singapore) in 2006 and served as Research Officer at NTU. He has vast experience in Hydraulics, Numerical and physical modelling of river and coastal processes including Sediment Transport.



**Dr. Wang Zhi Qian**  
Ph.D, M.Eng, B.Eng. (Hons) (NTU)



Assoc. Professor Shuqing Yang graduated with a PhD, Nanyang Technological Univ, Singapore in 1996. He specialised in Water Resources Engineering; Sediment transport; Turbulent Mixing; Physical Modelling Study; Hydraulic Structures. He is a Coastal Reservoir Specialist (Masterplan for reservoir size, shape and hydrodynamics)

**Assoc. Professor Shuqing Yang**

BEng, Wuhan Univ., China, 1981-1985.

MEng, Nanjing Hydraulic Research Institute, China, 1985-1988.

PhD, NTU, Singapore, 1994-1996.

Researcher for Three- Gorges-Dam Project, 1988-1994.

Researcher/Prof for Water Resources Engineering at Univ. of New Orleans, National Univ. of Singapore, Korea Maritime Univ., South China Univ. of Science & Technology, Univ. of Wollongong  
Co-founder and Executive Secretariat of International Association for Coastal Reservoir Research (IACRR)

## *Profile of Advisors*



**Dato' Ir. Haji Anuar bin Haji Yahya**  
DSPN, BCN, AMP, PPT  
P.Eng, MIEM, ACPE, CPESC

Dato' Ir. Haji Anuar bin Yahya graduated from the Universiti Teknologi MARA (UiTM) in 1981 with an Advanced Diploma in Civil Engineering. He obtained his Master of Engineering (Structural and Construction Engineering) degree from the Asian Institute of Technology (AIT), Bangkok, Thailand in 1989. He retired from the civil service as the Deputy Director-General (Specialist Sector) of the Department of Irrigation and Drainage (DID) in 2018 after serving for over 37 years (1980 – 2018).

He has served as a Council Member of the Institution of Engineers, Malaysia (IEM) for the 2016 – 2019 session. He is also an ASEAN Chartered Professional Engineer (ACPE), since 2016, besides holding the Certified Professional in Erosion and Sediment Control (CPESC) certificate.

He gained comprehensive experience in planning, design and construction of DID structures in the early years of his appointment as design engineer in the DID headquarters.



**Ir. Dr. Teo Fang Yenn**  
Ph.D, Cardiff University; M.Sc.,  
UPM; B.Eng. (Hons), UKM

Ir. Dr. Teo Fang Yenn graduated with a Ph.D in Civil Engineering from the Cardiff University, UK. He has an established professional career of over 20 years in academic, private sector and government services. He has been responsible in the field of civil engineering profession relating to the subject of water related health and wellbeing in the changing natural environment, particularly on hydro-environmental engineering, river and coastal engineering, stormwater drainage and flood risk, and water resources management. He is a qualified Professional Engineer with Practising Certificate that registered with the Board of Engineers.

## *Profile of Advisors*



**Dato' Ir. Haji Hanapi bin Mohamad Noor**  
D.S.P.N., P.Eng, MIEM  
B.Eng. UTM,  
M.Sc, Bournemouth University, UK

Dato' Ir Haji Hanapi Mohamad Noor graduated from Universiti Teknologi Malaysia in 1980 with a B.Eng (Civil) and continued his post graduate study in the International Hydraulics and Environmental Engineering (IHE), Delft, Holland (1989) and MSc in Water Environment at University of Bournemouth, United Kingdom (1996). He has retired from Government service in 2016 after serving 36 years with the Department of Irrigation and Drainage, Malaysia (DID). His last post was Director of Water Resources Management and Hydrology Division. Prior to that, he was Director of DID Perlis and Director of DID Penang.

Currently he is actively involved in several organizations and NGOs holding influential posts such as Vice Chair of Malaysian Water Partnership (MyWP), Deputy Chair of Malaysian Hydrological Society (MHS), Associate Member of Akademi Sains Malaysia (ASM), President of the Netherland Alumni Association Malaysia (NAAM), Exco Member of the Malaysian National Committee on Irrigation and Drainage (MANCID) and Advisory Committee Member of the National River Care Fund under the Global Environment Centre (GEC).

Dato' Ir Haji Hanapi has also served as Council Member of the Institution of Engineers Malaysia, IEM (2014-2018), Chair of Water Resources Technical Division, IEM (2013-2016), Chair of ASM Integrated River Basin Management (IRBM) Task Force (2014-2016) and significantly contributed in the preparation of the National Roadmap of Water Sector Transformation (WST2040). He is also currently a Member of the Regional Steering Committee of the Global Water Partnership-South East Asia, GWPSEA (2014-2021).

## *Profile of Advisors*



**Dr. Adhityan Appan**  
BSc, BE (Hons), DIC, MSc (Eng).  
PhD  
FICE, FCIWEM, FRSH, FIWRA, FIES  
C. Eng, Eur. Ing, P.Eng  
Partner  
LBW Consultants LLP

Dr. Adhityan Appan graduated with a PhD (Civil Engineering), "Water Quality Management in Urbanised Catchments" at National University of Singapore / NUS in 1978. He is a practicing engineer with more than 46 years of Consulting, teaching and research experience in the water and environment areas. His areas of sub-specialisation include a total concept for cleaning water catchments (including remediation of polluted rivers & reservoirs), water & wastewater process engineering, rainwater catchment systems, environmental factors in renewable energy sources etc. He is the advisor to the company.



**Dr. Tan Soon Keat**  
Ph.D University of Auckland (1984)

Dr. Tan Soon Keat graduated with a PhD in University of Auckland in 1984. He is currently an Associate Professor of NTU and the Director of Maritime Research Centre, NTU. He has vast experience in Hydrodynamics, Physical and Numerical modelling of coastal, hydraulics and hydrological processes and Sedimentation processes in the coastal waters. He is the advisor to the company.



## *Profile of Expert Consultant (India)*

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Prof. T G Sitharam  
PhD University of Waterloo,  
Canada (1991)  
Dept of Civil Engineering  
Indian Institute of Science  
Bangalore, India

Prof. Dr. T.G. Sitharam is a Chair Professor in the area of Energy and Mechanical Sciences IISc and Senior Professor at the Dept of Civil Engineering, Indian Institute of Science and Senior Professor (HAG Scale) at the Department of Civil Engineering, Indian Institute of Science, Bengaluru. He was former founder Chairman of a Center for Infrastructure, Sustainable Transport and Urban Planning (CiSTUP) at IISc. He is presently the Chairman, AICTE South western zonal committee, Regional office at Bengaluru and vice president, Indian Society for Earthquake Technology (ISET).

He was also a Visiting Professor at Yamaguchi University, Japan, and ISM Dhanbad, Jharkhand. He had earlier completed his Masters from Indian Institute of Science (in 1986) and Ph.D. from University of Waterloo, Waterloo, ON, Canada (1991). Over the last 25 years, he has carried out seismic microzonation of urban centers in India and also developed innovative technologies in the area of fracturing and geotechnical applications, leading to about 500 technical papers, seven books, three patents, 100 consulting projects and two startup companies.

He is the Co-founder and President of International Association For Coastal Reservoir Research (IACRR).

## *Profile of Advisor (India)*

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Dr. C. R. Parthasarathy  
PhD, (IISc Bangalore), FIGS,  
MIE, CEng (India). Founder,  
Chairman & Managing Director  
Elected National Executive  
Member of Indian Geotechnical  
Society (IGS) for 2016-2018

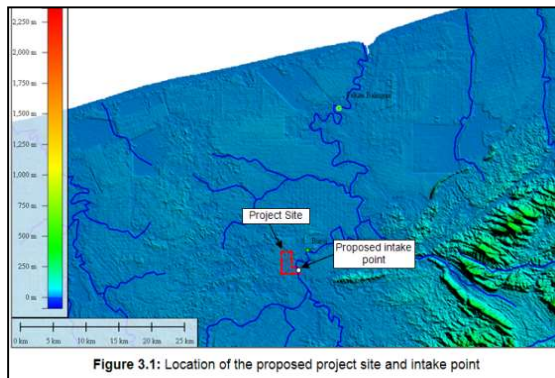
Dr. CR Parthasarathy is an industry veteran in the field of geotechnical engineering. He holds B.E. and M.E. degrees in Civil/Geotechnical Engineering from Bangalore University. He earned PhD (Geotechnical) from Indian Institute of Science, Bangalore, India in 2002. He started his career as a Geotechnical Engineer in 1993. He was involved in numerous site investigation/engineering studies at various levels for multistoried complexes, industrial buildings, embankments, bridges, water-retaining structures, subways, pavements, offshore platforms, pipelines, mobile drilling units etc.

Dr. CR Parthasarathy is the Founder Director of Sarathy Geotech & Engineering Services Pvt Ltd. The company with its registered office at Bangalore, India, was established in 2008 to provide both offshore and on land integrated geotechnical engineering services in India and abroad.

# G&P Water & Maritime Signature Projects

## Hydrology & Hydraulics – Water Resources

Salinity Study for the Proposed  
2x300MW Coal fired Power Plant at  
Buroi, Balingian, Sarawak



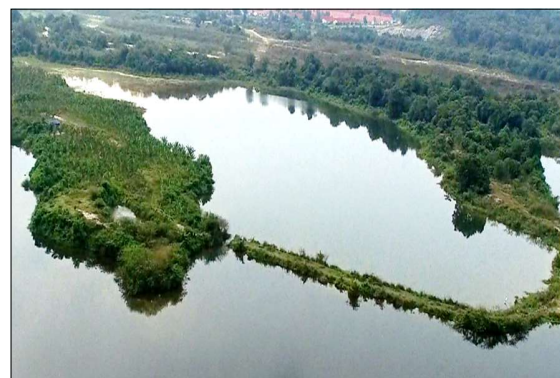
Review of the National Water  
Resources Study and Formulation of  
National Water Resources Policy (2010)



Detailed Design for Gemas WTP Raw  
Water Intake Upgrading Works, Negri  
Sembilan



Kajian dan Pengambilan Tanah bagi  
Skim Bekalan Air Lembangan Linggi  
(Bunded Storage), Negeri Sembilan.



Raw Water Source Development and  
Transfer System for Batu Kitang  
Treatment Plant, Kuching



Integrated Water Resources Study for  
the Northern Region of Peninsular  
Malaysia

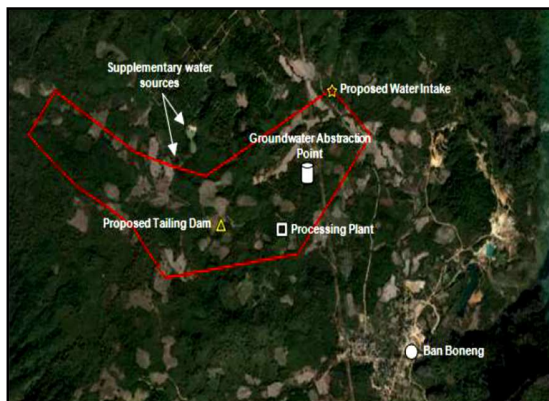




## G&P Water & Maritime Signature Projects

### Hydrology & Hydraulics - Water Resources

Water Resources Study for the Iron Ore Mine at Ban Boneng, Laos

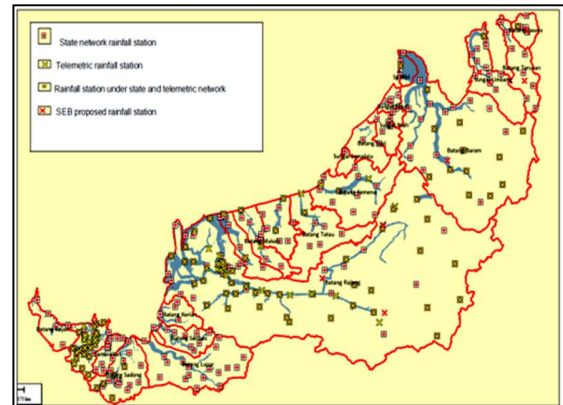


Surface Water Resources Study for the Proposed 100-Acres Durian Plantation at Gali Estate, Raub, Pahang



### Hydrology & Hydraulics

Review of Sarawak Telemetry System & Hydrological Network



Water Availability Study for Hartalega NGC at Sg Labu Water Intake Point



DEIA for the Proposed Tekai Dam, Pahang



# G&P Water & Maritime Signature Projects

## Hydrology & Hydraulics

Kota Bunyi Tailing Dam – Klian Intan Mine



Subject Matter Experts for “National Flood Forecasting & Warning Information Management System”, Kuala Lumpur



Hydraulic Analysis of Sg Kayu Ara for the proposed Development Site at Lot PT-1427, Mukim Damansara



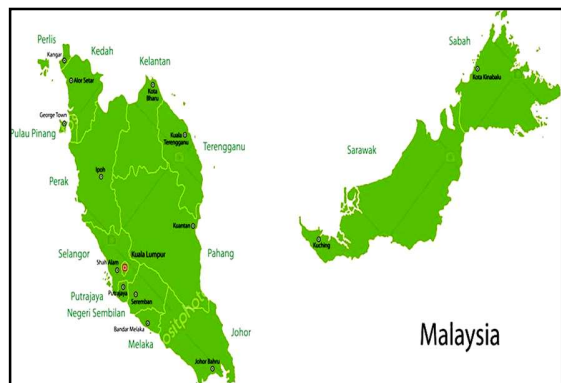
Hydrology and Hydraulic Design of Electrified Double Track Railway Project from Sg. Petani to Padang Besar



Detailed Design of Flood Mitigation Project for Sungai Damansara, Sungai Kayu Ara and Retrofit Existing Flood Detention Pond



Revision, Update and Development of New Hydrological Procedure No.11: Design Flood Hydrograph Estimation for Rural Catchments in Malaysia





# G&P Water & Maritime Signature Projects

## Hydrology & Hydraulics

Flood Mitigation and Maintenance Scheme for Kelantan River Basin



Proposed Sg. Samalajau Reservoir and Associated Facilities



Hydrology and Hydraulic Analysis for Lower Seletar Canal



Hydraulic & Hydrology Study for RHT Tailings Ponds



Feasibility Study and Detailed Engineering Design for "Water Supply System Upgrading Lahad Datu"



Development of Integrated Lake Management Plan for Jor and Mahang Reservoirs

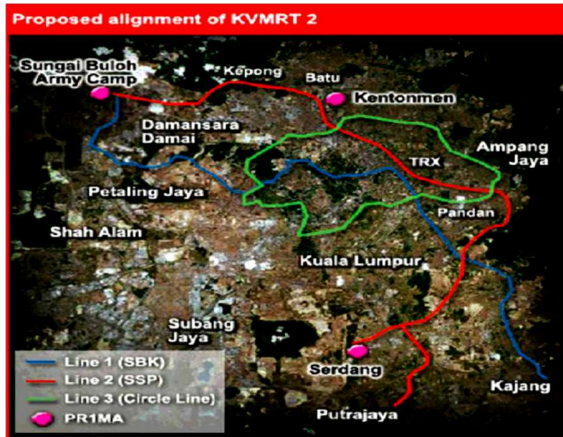




# G&P Water & Maritime Signature Projects

## Hydrology & Hydraulics

Hydrology & Hydraulic Review on Deck Drainage MRT Line



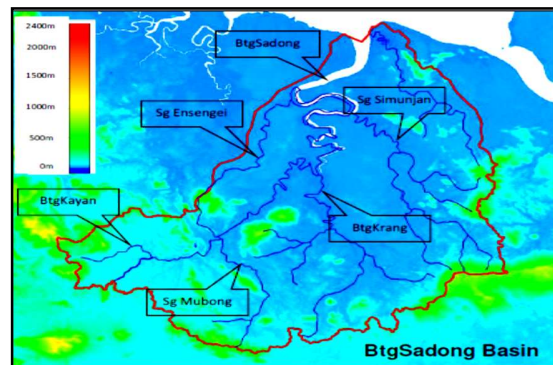
Study on Integrated Management Plan for Bengoh Water Catchment Area



Detailed Design Phase-2 Miri Water Supply Scheme



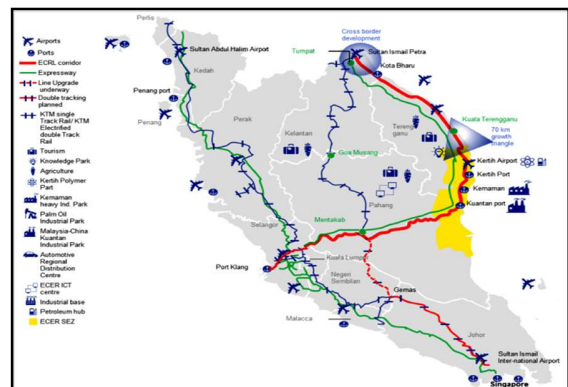
The Study on Carrying Capacity of 6 Major Rivers in Sarawak for Pollution Management (Ongoing)



Preliminary Hydrology and Hydraulic Study Services for the Proposed East Coast Rail Link (ECRL) Project Package 4: Gombak to Bentong



Preliminary Hydrology and Hydraulic Study for the Proposed East Coast Rail Link (ECRL) Project Package 2: Dungun to Kuantan

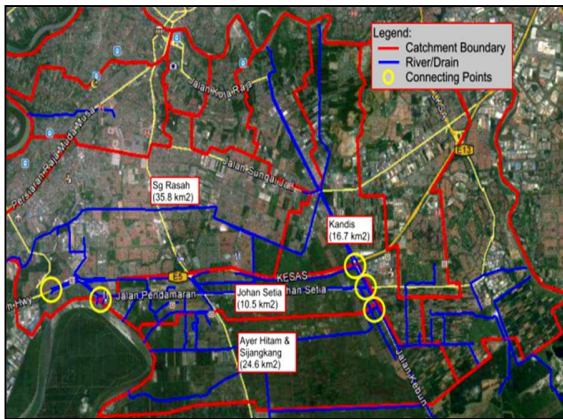




# G&P Water & Maritime Signature Projects

## Hydrology & Hydraulic

Design of Flood Mitigation Scheme of Kg. Johan Setia, Klang



Kajian Perekayasaan Pengurusan Maklumat Sumber Air Bersepadu DID Malaysia



Integrated River Basin Management Study for Sg. Perak



Hydrology & Hydraulic Consultancy on the proposed High Speed Rail RDC06 (Ongoing)



Hydraulics and Geomorphology Studies for the proposed Bintulu Supply Base Development.



Sg. Merbok Pollution Prevention and Water Quality Improvement Study



# G&P Water & Maritime Signature Projects

## Hydrology & Hydraulics

Preliminary Impact Assessment of Climate Change on Irrigation and Water Supply Scenario for Selected Areas in Peninsular Malaysia



2nd Edition MSMA Manual - Technical Review



Study of the Impacts of Land Development Activities on Water Resources of Sg. Kelantan and the Development of a Conservation Plan



## Water Resources

National Water Balance Management System (NAWABS) – Sg Bernam





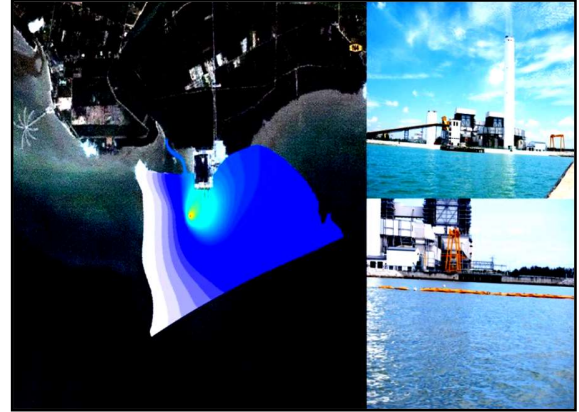
## G&P Water & Maritime Signature Projects

### Coastal Hydraulic Study (CHS)

Siltation Assessment for Zhoushan Shipyard, China



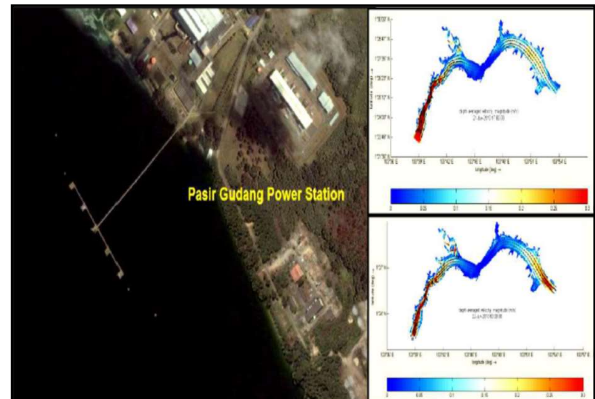
DEIA for the proposed 1 x 11000 MW Coal Fired Power Plant Project, Mukim Jimah, Port Dickson



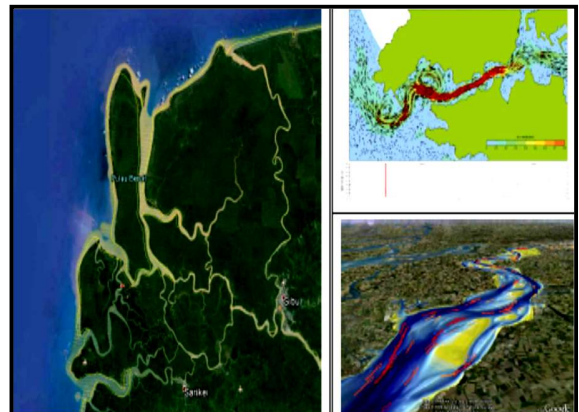
Cost Effective Solution for Cooling Water System of Kapar Thermal Power Plant to Reduce the Impact of Sedimentation and Thermal Plume Discharges to the CW System and Marine Environment at Kapar Coastal Area



Engagement of Specialist Collaborator to Conduct Thermal Plume Marine Water Quality Modelling and Sediment Impact Assessment at Pasir Gudang Power Station



Feasibility Study for the Proposed Separation of Waterways Connecting Btg. Paloh and Btg. Belawai, in the Rajang River Delta





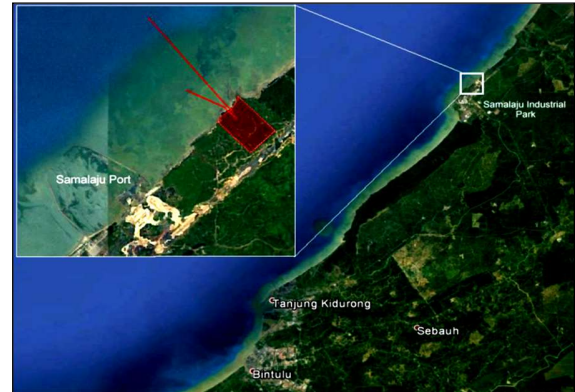
# G&P Water & Maritime Signature Projects

## Coastal Hydraulic Study (CHS)

Hydrodynamic, thermal plume, chlorine dispersion, sediment transport, morphological, air dispersion and noise propagation modelling at TJPS and SIPS



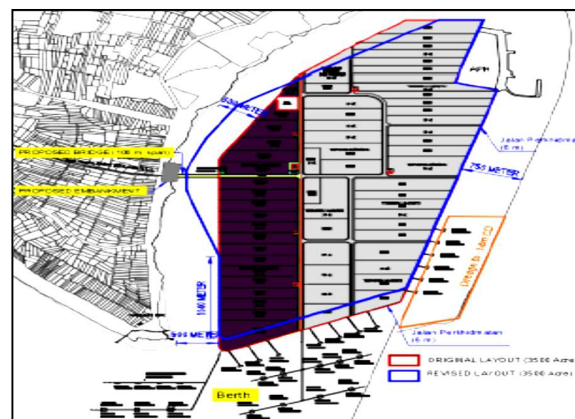
## Coastal Hydraulic Study for the Proposed Samalaju Power Plant



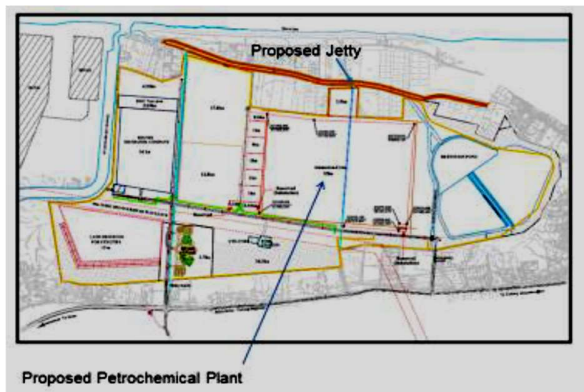
## Coastal Hydraulic Study for Upgrading of the Existing LPG Jetty to LNG Jetty at Bintulu Port



## Coastal Hydraulic Study for the Layout Optimization of the Proposed Development of Integrated Petroleum Hub and Maritime Industrial Hub Park at Tanjung Piai, Johor



## Coast Hydraulic Study for the proposed Brunei Jetty.



## Coastal Hydraulic Study for the proposed Jimah Power Plant, Port Dickson



## **G&P Water & Maritime Signature Projects**

### **Dam**

Development of Semenyih Dam Storage Prediction Model



Maintenance of Hydrological Databases Management and Monitoring of Putrajaya Dam



Dam Safety Review for Gerugu Dam Hydrological Review, Reservoir Storage and Yield Review, Storage Prediction Model, Dam Break Study, Emergency Response Plan, Dam Safety Inspection & Review



### **Dam – Dam Break Study**

Dam Break Study and Dam Safety Review for Semenyih Dam



### **Dam Break Modelling**

Dam Break Analysis for Kenyir Dam



Dam Break Study for Tawau Gold Mine Tailung Dam





# G&P Water & Maritime Signature Projects

## Dam Break Modelling

Dam Break Analysis for Mengkuang Dam Expansion Project, Pulau Pinang



Dam Break Study for Bekok Dam, Johor



## Dam Break Study

Dam Break Study of Kota Bunyih Tailing Dam

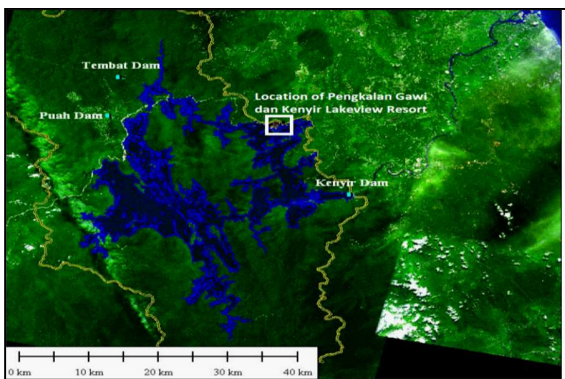


## Dam – Emergency Response Plan / Management

Preparation of ERP for Cameron Highlands Hydroelectric Scheme



Dambreak Study for Hulu Terengganu Hydroelectric Project



## **G&P Water & Maritime Signature Projects**

### **Dam – Emergency Response Plan / Management**

Development of Local ERP and Internal ERP for Sg. Perak Hydro Scheme and Kenyir Power Station



Dam Monitoring for Putrajaya Dam.



### **Dam Inspection**

Semenyih Dam Inspection



Batang Ai Dam Break Study and ERP Preparation

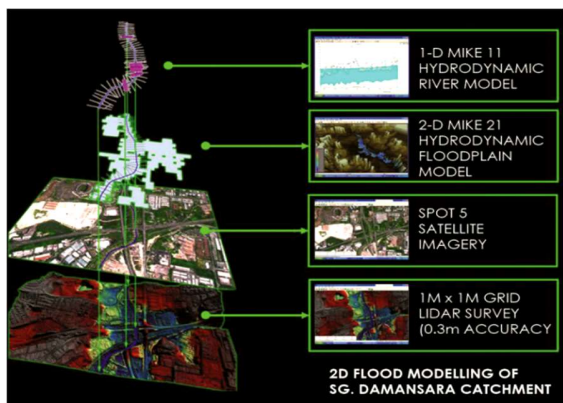




# G&P Water & Maritime Signature Projects

## Flood Mitigation / Flood Investigation / Urban Drainage

Feasibility Study & Detailed Design of Sg. Damansara Flood Mitigation Scheme, Selangor

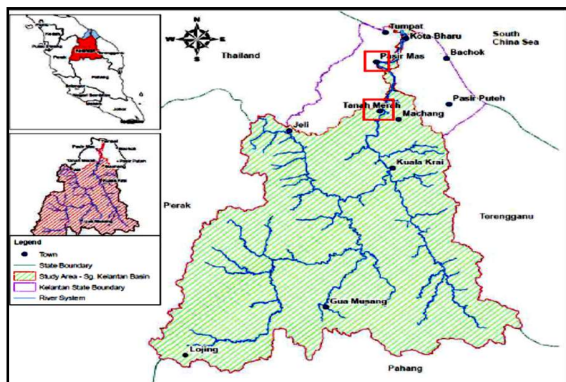


## Flood Investigation

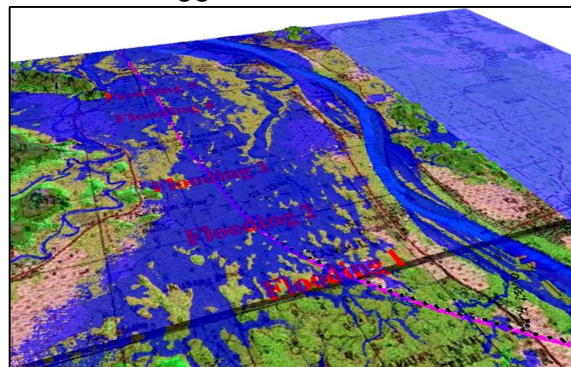
Flood investigation at Putra LRT Track, Wangsa Maju



## Kelantan Flood Risk Mapping



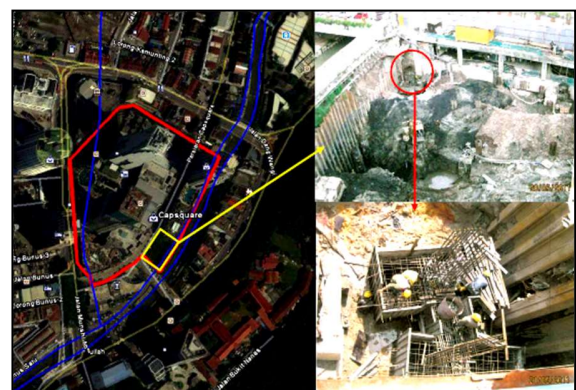
Independent Review of the flooding of East Coast Expressway Package 10B & 10D, Terengganu



Stormwater Management and Drainage Master Plan Study for Kangar, Arau and Padang Besar, Perlis



## Capital Square Flood Investigation



# G&P Water & Maritime Signature Projects

## Urban Drainage

Improvement of the existing drainage system for Symphony Hills, Cyberjaya



## Flood Modelling

Modeling of Flood flows between Puah Dam and Kenyir Reservoir

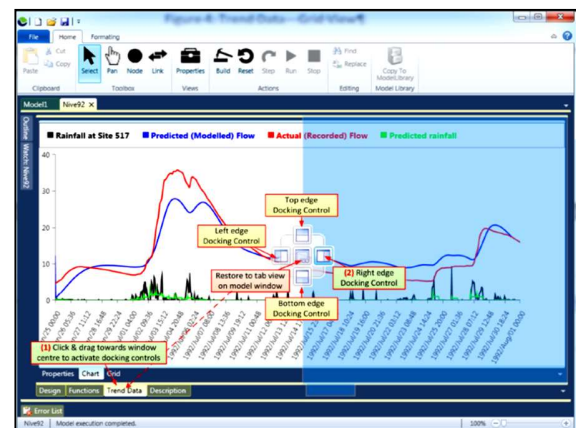


Detailed Design of Flood Mitigation Works for Kg Tok Aminuddin, Mukim Dengkil, Daerah Sepang



## Technical Support

SMART Flood Detection System (FDS) Software Maintenance Program





## **G&P Water & Maritime Signature Projects**

### **Climate Change**

Climate Change Research and Adaptation Measures for Coal Fired Power Plant at East Coast of Peninsular Malaysia

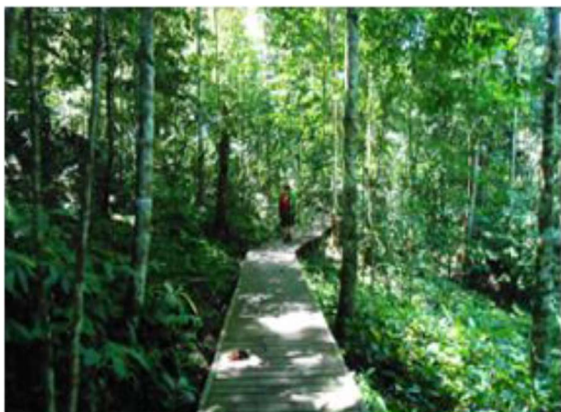


Preparation of ESCP for Arkemia Thiochemicals, Kertih Polymer Park

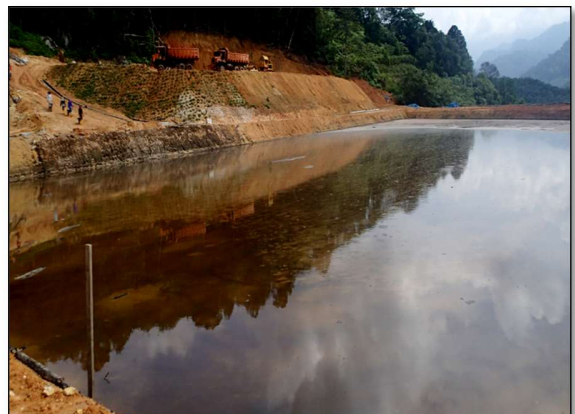


### **ESCP**

Experts Input for the Development of EIA Guidelines for “Development Activities in Hill Slope Areas, Coastal Zones, Highlands, State Parks and National Parks” for DOE Malaysia



Preparation of ESCP for the Construction of Effluent Ponds and Treatment System for Upgrading Works of Topaz Emas Palm Oil Mill, Perak (ESCP)



# G&P Water & Maritime Signature Projects

## ESCP

Re-assessment of the Water Availability of Sg Kubang Badak and the Water Demand at Hartalega Intake Point, Bestari Jaya, Selangor



## Water Quality

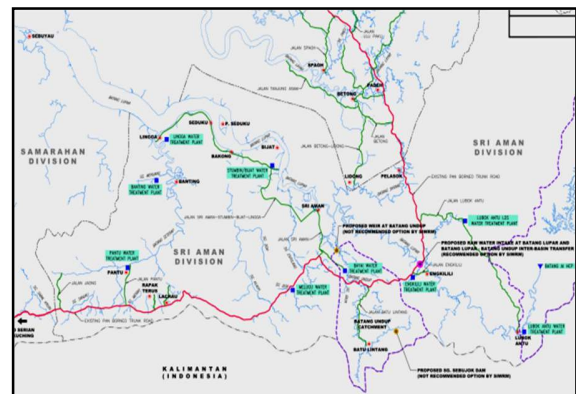
Salinity Study for the Proposed 2x300MW Coal fired Power Plant at Buroi, Balingian, Sarawak.



Detailed Erosion & Sediment Control Plan (ESCP) For Kuantan Port Reclamation, Pahang



Batang Lupar Salinity Study





## G&P Water & Maritime Signature Projects

### Catchment Study

Integrated Environmental Management Plan (IEMP) of Lojing, Kelantan



### CFD Modelling & Structural Design

Detailed Design of Orifice Structure at PD2 Outfall of Tuanku Jaafar Power Station

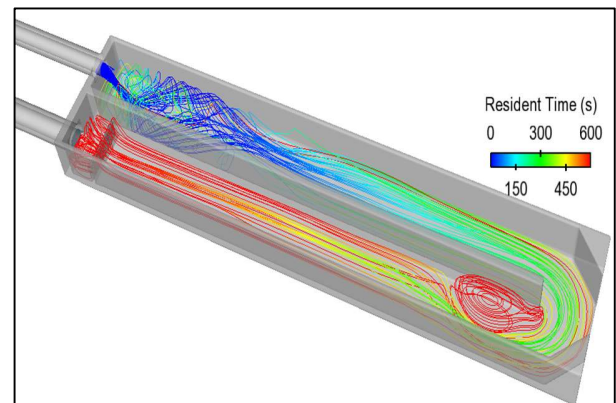


### Catchment & River Management

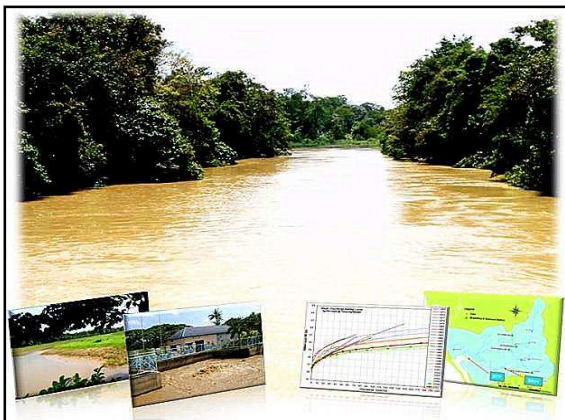
Catchment Modelling and Sediment Impact Assessment for Chenderoh Lake



CFD Analysis for Chlorine Contact Tank, Singapore



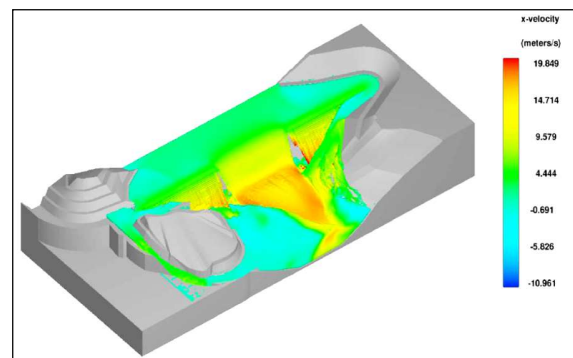
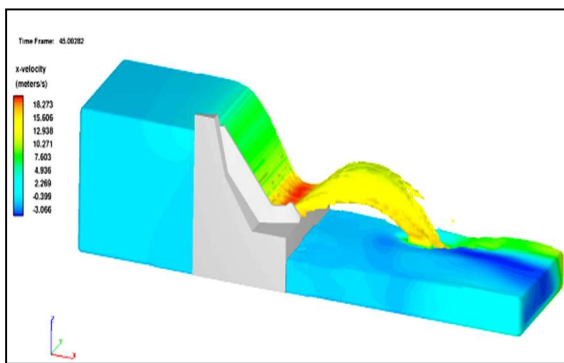
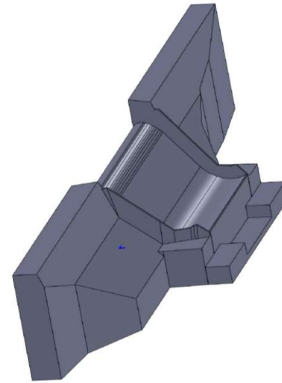
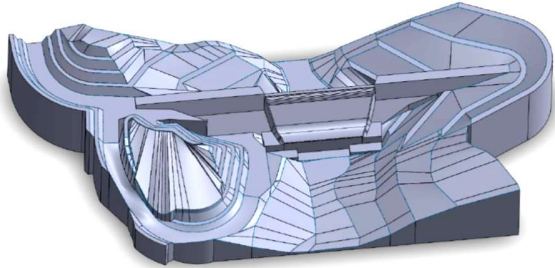
Catchment Modelling and Sediment Impact Assessment for Kenyir Lake



# G&P Water & Maritime Signature Projects

## CFD Modelling

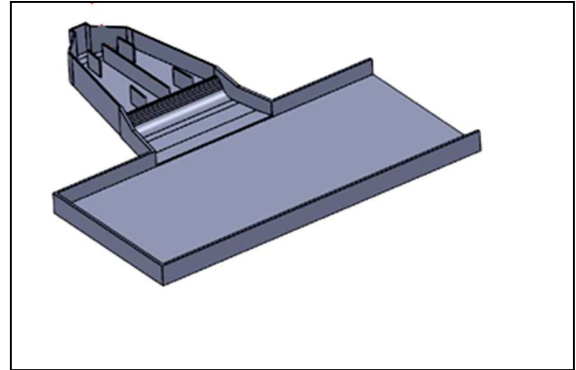
### CFD Modelling of the Tekai Dam Spillway



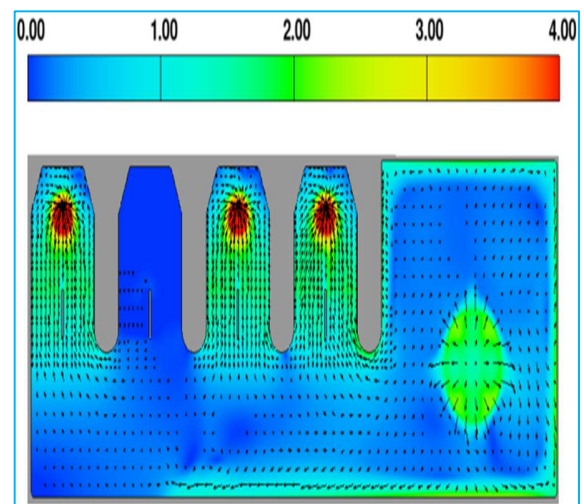
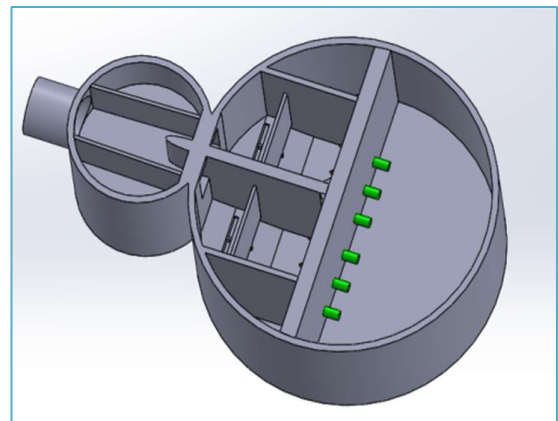
# G&P Water & Maritime Signature Projects

## Physical Modelling

Physical & Computer Modeling Study to mitigate the Foam Formation at the Cooling Water Outfall of Power Stations, Port Dickson.



Model Study of Pump Sump of Mangere Pump Station, New Zealand





# G&P Water & Maritime Signature Projects

## Maritime Works

Engineering Review and Authorities Submission for Reclamation and Related Works for **609 Acres** for Melaka Gateway Development at Pulau Melaka, Melaka



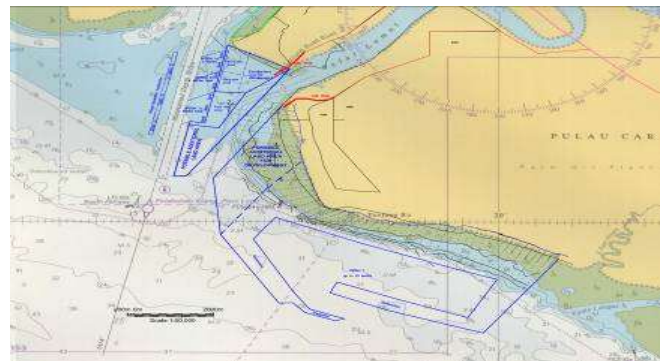
Design Consultancy Services (Conceptual Design Stage) of **4,500 Acres** Reclamation and Associated Works at South of Penang Island, Penang



Design Consultancy Services of **60 Acres** Reclamation and Associated Works For Penang World City (PWC) at Bayan Mutiara, Penang.



Design Consultancy Services (Conceptual Design Stage) of **3,300 Acres** Reclamation and Associated Works for Port Facilities Development in Selangor.



Design Consultancy Services of **29 Acres** Reclamation and Associated Works For Queensbay Waterfront, Penang.



Design Consultancy Services of **1,005 Acres** Reclamation and Associated Works along Butterworth Shoreline, Penang.





# G&P Water & Maritime Signature Projects

## Maritime Works

Design Consultancy Services of **170 Acres** Reclamation and Associated Works For Mixed Development in Klebang, Melaka.



Design Consultancy Services of **600m** Beach Enhancement Works for Pantai Kok Development in Langkawi, Kedah



Design Consultancy Services (Feasibility Study Stage) of **400 Acres** (North) and **160 Acres** (South) Reclamation and Associated Works at Batu Maung, Penang



Design Consultancy Services of Fishermen Wharf and Inner Marina for Teluk Burau Development in Langkawi, Kedah



Design Consultancy Services of **9.4 Acres** (North) and **34 Acres** (South) Reclamation and Associated Works for City Meridien Development at Batu Maung, Penang.



Design Consultancy Services of Jetty Upgrading Works for **32,000 DWT** semi-submersible heavy transport/product carriers at Lumut, Perak.





# G&P Water & Maritime Signature Projects

## Maritime Works

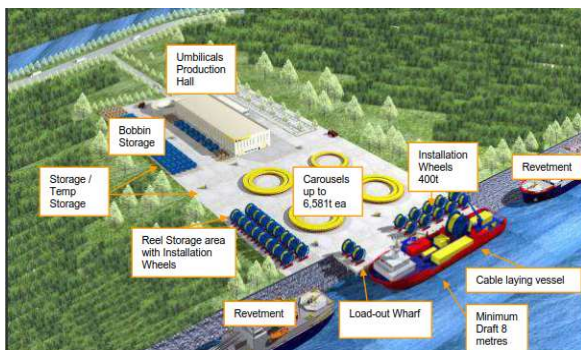
Desk Top Review of Repair Works for Breasting Dolphin / Store Platform due to Ship Contact Damage, at LNG Berth 3, Bintulu, Sarawak



Peer Review on the Design of the Proposed Berthing Facilities Sebulu CPO Barge/Shipping Vessel Loading Terminal at Kalimantan, Indonesia.



Design Consultancy Services (Feasibility Study Stage) of Geotechnical, Reclamation & Loadout Wharf for Umbilical Loadout Facility Site Options in Peninsular of Malaysia



Design Consultancy Services for Guide Piles for Jet-dock Systems at Kuala Terengganu and Sandakan, Malaysia.



Engineering Consultancy Services for **25,000MT** Load out Facility Phase 1 (Skid Track) for Malaysian Marine and Heavy Engineering (MMHE) in Pasir Gudang, Johor.



Review and Authority Submission services for Phase 1A (onshore works) of 15MTPA Iron Ore Distribution Centre of M/S Vale at Teluk Rubiah, Lumut.





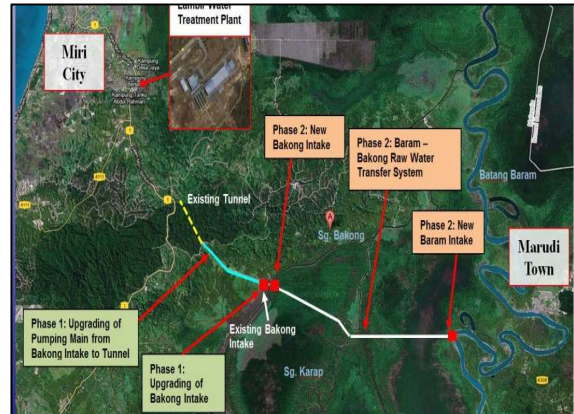
# G&P Water & Maritime Signature Projects

## Water Supply, Treatment & Distribution

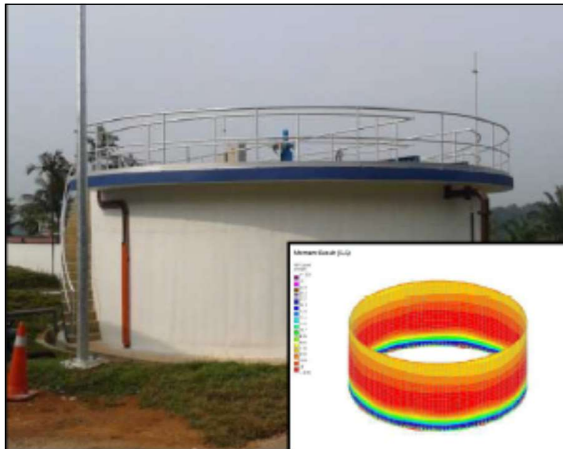
Design Review of Sg. Perak River Bank Filtration (RBF) Project



Detailed Design & Construction Supervision of Gemas Raw Water Intake and Bunded Storage



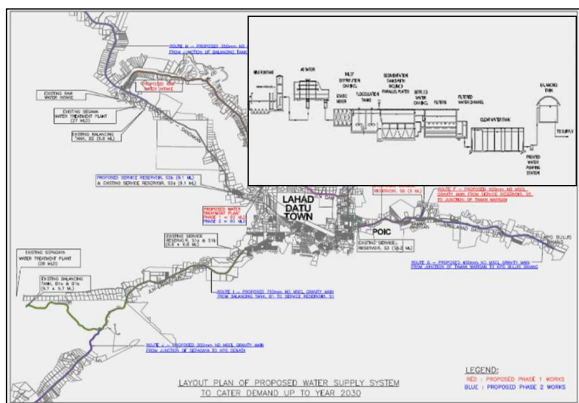
Detailed Design & Construction Supervision of Sg Sayong Sludge Treatment Facilities, Johor



Detailed Design of Intake, pipework and pumps for Miri Water Supply and Source Development, Sarawak



Detailed Design of Lahad Datu Water Supply System, Sabah



Water Supply Demand and Distribution Study for Negeri Sembilan





**GLOBAL WATER CONSULTANTS SDN BHD (20060107878 (737630-U))**

***(Formerly known as G&P WATER & MARITIME SDN BHD)***

**23-4, JALAN TASIK SELATAN 3,**

**BANDAR TASIK SELATAN,**

**57000 KUALA LUMPUR**

**TEL: 603-9057 5310**

**FAX: 603-9057 5400**

**EMAIL: [gnp-water@gnpgroup.com.my](mailto:gnp-water@gnpgroup.com.my)**

**WEB: [www.globalwater.com.my](http://www.globalwater.com.my) / [www.gnpgroup.com.my](http://www.gnpgroup.com.my)**

