

ADVANCED CLARITY HECTARES SDN BHD

Company Profile

Green & Sustainable Technologist cum
Valued Engineering Provider



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Green & Sustainable Technologist Cum Valued Engineering Provider



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COMPANY OVERVIEW

COMPANY BACKGROUND

Advanced Clarity Hectares Sdn Bhd has ventured into innovative, green and sustainable technologies, a theme in-line with recent development in the construction industry. Together with its Associate Companies, Clarity Hectares Sdn Bhd and Clarity Hectares Technology Sdn Bhd, the company has ventured into niche and innovative infrastructural projects.

Through the many creative endeavours as well as the wealth of experience derived from many successful projects track records, complemented with the Directors who are holders of patents, the Company has secured many unique infrastructural projects during this new, short realignment.

Advanced Clarity Hectares pursues a vision of value creation for its clients and indulges in **green and sustainable technologies**. Our focus on research and cost effective solutions, as well as our capabilities in exploring and developing innovative technologies have brought forth the unique technical specialties the company can offer in infrastructural projects, namely slope protection, soft ground construction technique, road construction with proprietary ChemSoilBinder™ (CSB™) among many others. These specialties have shaped Advanced Clarity Hectares and its Associate Companies into progressive and successful companies, an indisputable fact that has been reaffirmed by the recognition by governmental authorities as well as being well-received by our clients as **leading Value-added Technologies Provider** having the added advantage of a **1-stop Centre** capable of designing, supervising as well as the implementation, if needed.

Leveraging on the expertise and strong track records, we continue to pursue new horizons, seeking business opportunities that are synergistic to our core competencies. Advanced Clarity Hectares embraces the future with a firm commitment to further growth by building on the Company's strengths and success to further expand existing core businesses, taking advantage of business opportunities in a rapidly changing market both nationally and internationally.

COMPANY PROFILE

Company Name Advanced Clarity Hectares Sdn Bhd

Company Registration No. 1213774 K

Corporate Status Private Limited Company

Date of Incorporation 29 December 2016

Registered Address D3-17-1, Jalan Dutamas
Taman Dutamas
43200 Cheras, Selangor Darul Ehsan

Company Secretary Directional Management Services Sdn Bhd

Business Address 29 Lorong Datuk Sulaiman 8
Taman Tun Dr Ismail
60000 Kuala Lumpur

Phone +603-77286653

Website www.geobamtile.com

Email Clarity@geobamtile.com
drkslow@gmail.com

Banker CIMB Bank Malaysia Berhad, TTDI Branch

Associate Companies Clarity Hectares Sdn Bhd (418513 H)
Clarity Hectares Technology Sdn Bhd (1213801 P)
Innogess Technology Sdn Bhd (106757 M)

KEY MANAGEMENT

Ir Dr Low Kaw Sai Director

Ir. Dr. Low, a practicing Civil Engineering Consultant cum University Lecturer and the Founder of Clarity Hectares Sdn Bhd, has been invited to be the Technical Director of Advanced Clarity Hectares Sdn Bhd based on his extensive experience in the construction industry. He has been the man behind some of the innovative green technological advances in the country and is an asset to the Company in the realization of its development of its vision of value creation in green and sustainable technologies, research on cost effective solutions, as well as the unique technical specialties the company can offer in infrastructural projects. His visionary approach and versatile experience in technology development and marketing have earned him the recognition and reputation for his creativity among partners and clients.

Dr Tioh Ngee Heng Director

Dr Tioh has been trained as an Applied Chemist specializing in analytical procedure development as well in quality assurance of materials. He has been in business since 2012. Dr Tioh together with the Technical Director have been the driving force behind the company's development and growth. He has extensive administrative experience, marketing, training as well as an experienced consultant for varied areas. His dynamic, target-oriented and prudent management style secures timely flow of operation from the stage of planning to its full completion.

QUALITY OBJECTIVES

To exceed the client's expectations in all aspects and every time

Advanced Clarity Hectares's quality objectives shall ensure business management, design and construction, testing and inspection activities undertaken on all projects are:

- Planned and performed to achieve the desired quality within the budget and schedule requirements.
- In accordance to contractual and regulatory requirements
- Performed correctly the first time to ensure cost effectiveness and efficiency





OUR EXPERTISE



Soft Ground Engineering Design & Modelling

With most of our experiences involved in Design and Build projects, a strong culture of creativity and innovation runs throughout our operation and our emphasis on 'design for practical implementation' ensures the most efficient and cost effective solutions in all our managed projects. The technical team uses the latest modeling software complementing traditional hand-on calculation for checking warrants flawless implementation.



OUR EXPERTISE

EVERYTHING YOU NEED UNDER ONE ROOF

In addition to our expertise in Soft Ground Engineering, our in-house design expertise and capabilities allow us to provide complete and custom solutions for forensic on slope failure, tyre wall, road and highway construction using stabilization of subgrade.



Construction of Tyre Wall

Subgrade Stabilization Using Proprietary Chemical Soil Binder (CSB™)



R & D and Application of Light Weight Concrete



PROJECT REFERENCES

GEOBAMTILE

Bamboo-Geotextile Buoyant System



The pioneering piece of “Geobamtile” work at the New Miri Supply Bay at Kuala Baram, Sarawak is the testimony of a success story by our Technical Director who pioneered in designing the use of bamboo and geotextile over very soft ground in June 1996. Almost 23 years later, the observed insignificant settlement is a authentication of the foresight and usage of basic scientific principle in solving a principal infrastructural problem in soft ground engineering. It is without doubt that continual R&D and the push towards green engineering has lead to the patenting of the invention “Lightweight concrete infill buoyant system and the method thereof” which has been very well received by the construction industry.



The use of “Geobamtile” in the Malacca River Beautification Scheme is another success story in the use of Green Technology in providing cost effective solutions in engineering.



Membina Pasar Borong Batu Pahat Di Atas Lot 34477 & Lot 34478, Taman Kota Murni, Batu Pahat, Johor untuk Majlis Perbandaran Batu Pahat: Riverbank Wall & Geobamtile System



GEOBAMTILE



Construction of 1 Unit of Single Storey Bungalow House and 28 Units of Single Storey Semi-detached House on Lot 4604, Jalan Hj Imam Yusof/KS13, Klang Selatan, Pulau Indah, Pelabuhan Klang, Selangor - Ground Treatment.



Reservoir Slope Rehabilitation Work at Bandar Putra Segamat. Repaired slope supported by Geobamtile platform sat over soft dark highly weathered graphitic soil.



Cadangan Pembinaan Semula Jambatan dan Kerja-kerja Pembaikan Persimpangan Bertingkat Jenis Clover Leaf di Km P2.2 Lebuhraya Sambungan Putrajaya dan Kerja-kerja Berkaitan ke Selangor Science Park 2, Bukit Raja, Mukim Dengkil, Daerah Sepang, Selangor Darul Ehsan



Cadangan Menaiktaraf Jalan Susur Keluar Masuk di Persimpangan Bertingkat di Km P2.2 Lebuhraya Sambungan Putrajaya dan Kerja-kerja Berkaitan di Selangor Cyber Valley, Bukit Raja, Mukim Dengkil, Daerah Sepang, Selangor Darul Ehsan



GEOBAMTILE



Cadangan Membina dan Menyiapkan 10 Unit Kilang Berkembar (Fasa 2), di atas Sebahagian PT. 646 HS (D) 3778, Taman Perindustrian Zurah, Mukim Rasa, Daerah Hulu Selangor, Selangor Darul Ehsan



Cadangan Tambahan dan Pindaan kepada 2 Unit Daripada 6 Unit Rumah Berkembar 1 Tingkat Sdia Ada (Kuarters Kakitangan PKNS) di atas Sebahagian Lot PT 9 H.S.(D) 179020, Petaling Jaya, Selangor Darul Ehsan.



Design and Build EA Wall and Bamboo-geotextile Buoyant System for a Proposed Petrol Kiosk Site on PTD 3306, Batu 50 ¼, Jalan Johor, Mukim Renggam, Kluang, Johor



Proposed Construction of Warehouse & Production Factory on PTD 32642 & PTD 32661, Taman Perindustrian Sedenak, Mukim Bukit Batu, Daerah Kulai, Johor for D & Y Textile ((M) Sdn Bhd



GEOBAMTILE



Geobamtile System to Support Heavy Gazebo and Signboard Structures at Eco Santury Sdn Bhd, Bukit Kemuning, Selangor Darul Ehsan



Cadangan Pembangunan Membina 4 Blok Pangsapuri Serta Sebuah Dewan Serbaguna, 1 Blok Parkir 7 Tingkat Dengan Aras Bawah Rendah dan Lain-lain Kemudahan Utiliti Untuk Perumahan Penjawat Awam 1 Malaysia, Jabatan Perdana Menteri, Di Atas Tanah Milik Lot PT 16636, Mukim Lumut, Daerah Manjung, Perak Darul Ridzuan-Ground Treatment Work Using Bamboo-Geotextile Buoyant System (BGBS) or "Geobamtile".



Cadangan Yang Mengandungi A) 730 Unit Rumah Teres 1 Tingkat Di Bawah Skim Projek Perumahan Rakyat (PPR), B) 37 Unit Rumah Kedai 2 Tingkat C) 1 Unit Dewan, D) 1 Unit Tadika Di Atas Lot9647 (PT2089), Jalan Sungai Yu, Mukim Ujong Permatang, Daerah Kuala Selangor, Selangor D.E. Untuk Tetuan Zikay Construction Sdn. Bhd. - Soil Treatment based on Bamboo-Geotextile Buoyant System.



Pembangunan di atas PTD 3975 (Sebahagian Lot Asal 2973), Mukim Sungai Kluang, Daerah Batu Pahat, Johor Darul Ta'zim Untuk Tetuan JK Wire Harness Sdn. Bhd.



GEOBAMTILE



Proposed Factory at LOT 89, Mukim Kota Tinggi, Daerah Kota Tinggi, Johor Darul Takzim for Starken ACC Sdn Bhd

-Design and Build for Road Subgrade Treatment Work Using Bamboo-geotextile Buoyant System (BGBS) or 'GEOBAMTILE'



Kerja-kerja Penambakan Bagi Pembangunan Semula Perkampungan Nelayan Teluk Muroh, Lumut, Manjung Untuk Tetuan—Alternative Design Proposal For Ground Treatment Method Using Bamboo-Geotextile Buoyant Platform System.



Newly Awarded Projects

Cadangan Membina Dan Menyiapkan Satu Unit Pejabat Kenderaan Satu Tingkat (41' X 40') Yang Mengandungi :1) 1 Unit Pondok Pengawal, 2) 1 Unit Rumah Sampah, 3) 64 Unit Tempat Letak Kereta Berbumbung, 4) 3 Unit Tempat Letak Bas Berbumbung, 5) 3 Unit Tempat Letak Lori Berbumbung, 6) Dan 22 Unit Tempat Letak Motosikal Berbumbung Di Jalan Pinang 18/1, Seksyen 18, Shah Alam, Selangor Darul Ehsan Untuk Tetuan Perbadanan Kemajuan Negeri Selangor.

Pembangunan di atas PTD 3975 (Sebahagian Lot Asal 2973) (Fasa 2), Mukim Sungai Kluang, Daerah Batu Pahat, Johor Darul Ta'zim Untuk Tetuan JK Wire Harness Sdn. Bhd.



TRACK RECORDS OF OTHER COMPLETED PROJECTS

- Design and Build Pavement for Terminal No.3 (CT3) Westport, Pulau Indah, Port Klang, Selangor using CSB™.
- Stabilization of Sand Island at Yangtze River, P R China using CSB™.
- Upgrading of Existing Estate Road at Bukit Tagar, Selangor for Berjaya City Sdn Bhd.
- CIPR Works at FT 3053 (Sect 2.20 - Sect 2.50) Jalan Mahang, Kulim Hitech., Kulim, Kedah
- Kerja-kerja Penstabilan Asas Jalan Serta Menurap Semula Permukaan Jalan Di Sebahagian Jalan Persiaran Sri Putri Utama, Jalan Sri Putri dan Jalan Persiaran Sri Putri, Taman Putri Kulai Jaya Johor.
- Pavement Rehabilitation and Associated Works at KM159.38 to KM 155.00 (Southbound) Along Tangkak to Pagoh, Johor, Section S2, North-South Expressway.
- Upgrading of road From Mary Estate to Mayang Suria Estate
- Upgrading Jalan Kg. Staki Brohol, Pagoh, Johor Darul Takzim
- Upgrading Jalan Kg Parit Botak, Batu Pahat, Johor
- Upgrading Jalan Masuk Kilang Kelapa Sawit Jayaputra, Jerantut, Pahang
- Upgrading road at Estate Bebar and Estate Sg. Rengai Under Bousted Holding
- Cadangan Pembangunan 144 Unit Rumah Kos Rendah, 134 Unit Rumah Kos Sederhana, 22 Unit Rumah Kedai, Sebuah Surau, 1 Unit Pencawang Elektrik (TNB) Dan Sebuah Loji Kumbuhan Mekanikal Di Atas Lot 1211-1215 Dan 1225 Di Kampung Sg. Sireh, daerah Klang Untuk, Package 2A untuk Tetuan Konsortium SKS Bhd. – Soft Peaty Ground Treatment Method Using Bamboo-geotextile Buoyant System, Mach 2002.
- The Supply and Lay of CSB Modified Soil-Cement for Construction and Completion of Zone G & H and Roadworks (Stage 2) at CT3 Yard Westport, Pulau Indah, Port Klang, Selangor Darul Ehsan for Messrs Kelang Multi Terminal Sdn. Bhd., May 2002.
- Cadangan Membina 65 Unit Rumah Sesebuah 2 Tingkat Di Atas Sebahagian Kompartmen 39, Seksyen U10, 40170 Shah Alam, Selangor Darul Ehsan, Untuk Tengku Sharudin Sdn. Bhd., Jun 2012.





SURUHANJAYA SYARIKAT MALAYSIA
COMPANIES COMMISSION OF MALAYSIA



BORANG 9
AKTA SYARIKAT 1965

[Seksyen 16(4)]

No. Syarikat - MyCoID

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PERAKUAN PEMERBADANAN SYARIKAT SENDIRIAN

Dengan ini diperakui bahawa

ADVANCED CLARITY HECTARES SDN. BHD.

telah diperbadankan di bawah Akta Syarikat 1965, pada dan mulai dari 29 haribulan Disember 2016, dan bahawa syarikat ini adalah sebuah syarikat berhad menurut syer dan bahawa syarikat ini adalah sebuah syarikat sendirian.

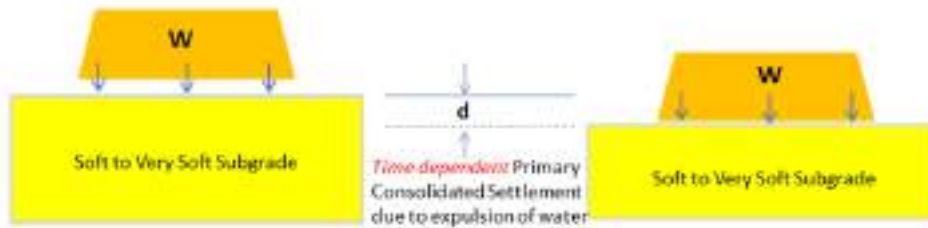
Dibuat di bawah tandatangan dan meterai saya di Kuala Lumpur pada 29 haribulan Disember 2016.




DATO' ZAHRAH ABD WAHAB FENNER
PENDAFTAR SYARIKAT
MALAYSIA

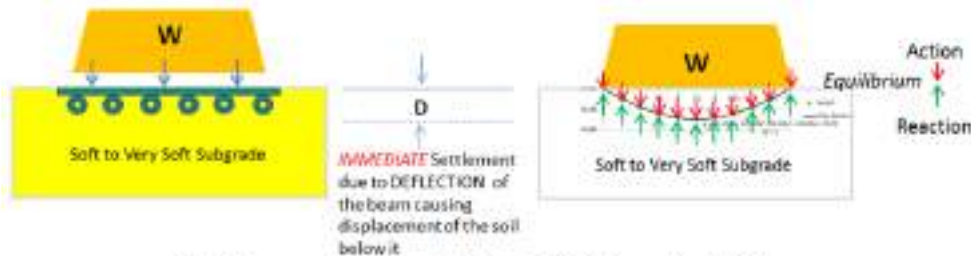
GEOBAMTILE - A Soil-Structure Interaction System

Building Embankment Directly Above Subgrade



Building embankment directly above soft subgrade is **Purely a Geotechnical Problem** that invokes **Consolidation** (expulsion of water) which essentially a **Time Dependent** process

Building Embankment Over Soft Subgrade Interfaced by GEOBAMTILE



Building embankment Over Soft Subgrade interface by Bamboo Grid Frame (as interlayer) would convert into a **Soil-Structure Interaction Problem**

Embankment Build Directly Over Soft Subgrade



100% Geotechnical Problem

Entailing ↓



Embankment Build Directly Over Geobamtile then Subgrade



A Soil-Structure Interaction Problem

Entailing ↓



Deformation : Primary Consolidation + Secondary Compression

Deformation : Structure Beam Deflection cause + Post-Construction Creep Soil Displacement

Nature : Long & Unceasing

Nature : Immediate

Importance : TIME DEPENDANT (Real Problem)

Importance : NOT TIME DEPENDENT (No Problem)



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