



CH TECH GLOBAL SDN BHD

Company Profile

COMPANY OVERVIEW

COMPANY BACKGROUND

CH Tech Global Sdn Bhd (Formerly known as Clarity Hectares Technology Sdn Bhd) together with its Associate Companies, Innogess Technology Sdn Bhd, Clarity Hectares Sdn Bhd and Advanced Clarity Hectares Technology Sdn Bhd have ventured into niche and innovative infrastructural projects since 2011.

The joint efforts of Dr Low Kaw Sai and the co-inventor, Dr Tioh Ngee Heng have created several innovative products for engineering applications. These have resulted in many successful projects track records, especially in infrastructural projects.

All these companies have the 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, especially in construction in very soft ground. CH Tech Global has become a **leading Value-added Technologies Provider** having the added advantage of a **1-stop Centre** capable of designing, supervising as well as the implementation.

Leveraging on the capable management team and strong track records, we are expanding our operation, seeking business opportunities that are synergistic to our core competencies. We are committed to provide quality services, technical excellence, reliable and cost effective solutions.

COMPANY PROFILE

Company Name	CH Tech Global Sdn Bhd (Formerly known as Clarity Hectares Technology Sdn Bhd)
Company Registration No.	1213801 P
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	+603-7728 6653 +6019-2249 560
Email	CHTechSB@gmail.com drnhtioh@gmail.com
Banker	CIMB Bank Malaysia Berhad, TTDI Branch
Associate Companies	Clarity Hectares Sdn Bhd (418513 H) Advanced Clarity Hectares Sdn Bhd (1213774 K) Innogess Technology Sdn Bhd (106757 M)

COMPANY MANAGEMENT TEAM

YM Tunku Rizal Shah bin Tunku Muszaffar Shah
Advisor

Dr Tioh Ngee Heng
Managing Director

Dr. Tioh, a practicing Applied Chemist specializing in analytical procedure development as well as in quality assurance of materials. He has been in business since 2012. He was a University Lecturer at Universiti Malaya and upon retirement was appointed as Director of Institute of Postgraduate Studies & Research, Universiti Tunku Abdul Rahman and subsequently as Associate Professor at Department of Chemical Engineering. He is the Founding Director of Innogess Technology Sdn Bhd, Clarity Hectares Technology Sdn Bhd as well as Advanced Clarity Hectares Sdn Bhd. He was also the former Director of Clarity Hectares Sdn Bhd. He served as the Logistic cum Technical Portfolio in the companies responsible for the daily operation, budgeting and financial well-being of the companies. 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. He holds a PhD in Applied Chemistry, MBA and DBA in TQM and PhD in Business Administration, Fellow of Asean Academy of Engineering & Technology.

Hj Mohamad Razif Abdul Wahab
Executive Director

Mohamad Razif Bin Abdul Wahab is an alumni of London Business School's (LBS) Senior Executive Programme and a member of the Institute of Marketing Malaysia (IMM). With 30 years of working experience in the industry, he had been part of Malaysia's leading property development corporations.

Allen Ooi Thean Wooi
Business Development Director

Allen has more than 20 years in the area of clients management, create and apply effective sales strategy. He is responsible for promoting company's services/products and building long-term relationships with new and existing customers.

Ir Koo Seng Fatt
Consulting Engineer

Ir Koo has more than 25 years professional engineering experience in the field of civil and geotechnical engineering. His scope of experience covers consultancy in both civil and geotechnical engineering as well as construction management. His areas of expertise are in slope stabilities, retaining structures, foundations and ground improvement.

Ir Razali Che Embi
Consultant Engineer

Ir Razali has more than 35 years professional engineering experience in the Maintenance Road Engineering as well as Geotechnical Engineering. He was the moderator for International Symposium on Soft Ground Improvement.

Hj. Ahmad Lokman Hj. Saidin
Marketing Executive

Dang Wen Min
Industrial Liaison

Wen Min is the point of contact and initiator for collaborative efforts involving the company with targeted public institution.

Wong Hon Meng
Project Manager

Hon Meng holds the qualification of Diploma in Civil Engineering and has cumulative 15 years working experience as Senior Site Supervisor, Site Agent and the last 7 years as Project Manger. He specialized in ISO Certification Implementation. He is responsible for construction schedule and cost control, quality, safety, security and control of resources at site, overseeing and training of junior site engineers.

Lim Kok Keong
Contractor Manager

Kok Keong is a very capable technical personnel in project implementation. He will oversee the labour problems in ensuring project is completed on schedule.

Teoh Ngee Hwah
Account Manager

Ngee Hwah has over 30 years in account keeping and is responsible for upkeeping the financial health of the company.

Gray Ban
Legal Advisor

QUALITY OBJECTIVES

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

CH Tech Global'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
- Excellences Meeting Expectations



OUR EXPERTISE



Soft Ground Engineering Design & Built

With most of our experiences involved in Design and Build projects coupled with extensive on site problem-solving throughout our operation ensure the most efficient and cost effective solutions in all our scheduled projects.



Currently, there are a number of ground improvement methods being used in the market but the fact that failures after failures continue to be reported. However, the few commonly used techniques are generally costly and time consuming in comparison with the Bamboo-Geotextile Composite System and through the many successful applications and ultimate performance shown in all previous projects built over deep & critically soft grounds like mangrove swamp, peaty swamp and marine clay or a combination thereof, it is a positive move of being accepted as a reliable and dependable ground treatment method capitalizing on the sizable project cost and time savings.

In construction over soft ground, the associated problems are

- ◆ Excessive and unceasing settlements in soft ground; it can be total or differential or a combination, cause severe problems to constructions built above it.
- ◆ High construction cost and long project idling period caused by prevailing ground improvement techniques e.g. PVD cum surcharging etc.

The principle underlying the Bamboo-Geotextile Composite System (or equivalent Geobamtile System)

- ◆ Creates large inexpensive surface area to spread & distribute load applied and thus minimize stress impose on underlain soft subgrade and resulted in reduction of settlement that might produce by the magnitude of stress applied.
- ◆ Capitalize on buoyancy effect afforded by light bamboo culms (SG = 0.7-0.8) used in the buoyant system. This further minimizes load applied and consequently resulted in stress minimization and consequently the amount of settlements that might develop in the soft subgrade.
- ◆ The Bamboo-geotextile buoyant system devised has allowed heavy constructions to be built directly atop soft subsoil while **relying very little on the strength of the in-situ soft soil for support**, a design notion which is vastly different from most, if not all, Ground Improvement methods which often rely on improving the physical properties & strength of soft subgrade that via, say, the consolidation process.
- ◆ Furthermore, as construction is 'floated' on the soft soil foundation where at any one time bamboo-geotextile buoyant system enables an **equilibrium** to be set up between the weight of construction above and the in-situ strength of the soft ground below such that the combined system comes into balance at all times; may it be during or after construction

The Bamboo-Geotextile Composite System has been successfully utilized in the treatment of very deep soft ground of varied nature, as shown below



Peaty Ground



Mangrove Swamp



Marine Clay



Riverine Clay

The background is a vibrant green with several overlapping, curved, semi-transparent shapes that create a sense of depth and movement. The colors range from a bright, almost white-green at the top to a darker, forest green at the bottom.

TRACK RECORDS

Bamboo-Geotextile Composite System/Geobamtile

Cadangan Pembangunan Membina 4 Blok Pangsapuri Yang Terdiri Daripada; Blok A 19 Tingkat 288 Unit, Blok B 20 Tingkat 304 Unit, Blok C 20 Tingkat 304 Unit, Blok D 20 Tingkat 304 Unit, Serta Kemudahan Lain Untuk Perumahan Penjawat Awam 1 Malaysia, Mukim Lumut, Daerah Manjung, Perak Darul Ridzuan (by CH Tech Global Sdn Bhd)



Bamboo-Geotextile Composite System/Geobamtile

Kerja-Kerja Penambakan Bagi Pembangunan Semula Perkampungan Nelayan Teluk Muroh, Lumut, Manjung, Perak (by CH Tech Global Sdn Bhd)



Bamboo-Geotextile Composite System/Geobamtile

Merekabentuk, Memdina Dan Menyajikan 500 Unit Rumah Teres Sg.Yu (1) Tingkat Serta Kerja-Kerja Yang Berkaitan Dengannya Untuk Program Perumahan Rakyat (PPR) Tanjung Karang, Jalan Sungai Yu, Kuala Selangor, Selangor (by Innogess Technology Sdn Bhd)



Bamboo-Geotextile Composite System/Geobamtile

Cadangan Pembangunan Di Atas Pt Nos. 12034,12035,12036, 12037,12038 And 12040 & 12041, Taman Bunga Raya, Seluas 18.3 Ekar, Bukit Beruntung Zone 9, 11 And 12, Mukim Serendah, Daerah Hulu Selangor, Selangor Darul Ehsan Untuk Tetuan Medan Prestasi Sdn. Bhd (by Advanced Clarity Hecares Sdn Bhd)



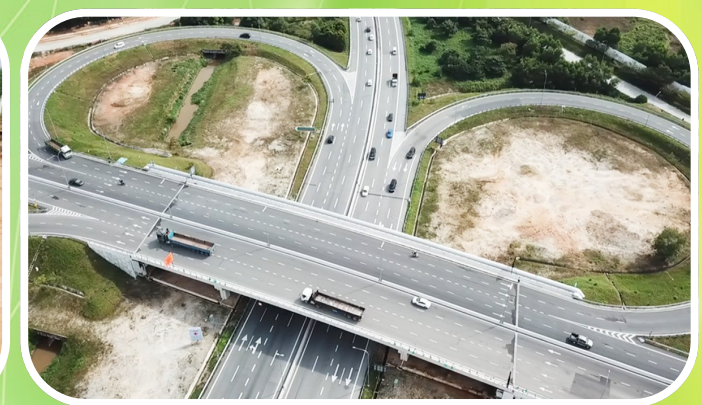
Bamboo-Geotextile Composite System/Geobamtile

Proposed Construction of : 1 Unit Single Storey Bungalow House, 28 Units Single Storey Semi-detached House on Lot 4604, Jalan Haji Iman Yusof/KS13, Klang Selatan, Pulau Indah, Pelabuhan Klang, Selangor Darul Ehsan for Cemerlang Jutabina Enterprise (by Clarity Hectares Sdn Bhd)



Bamboo-Geotextile Composite System/Geobamtile

Cadangan Pembinaan Semula Jambatan dan Kerja-kerja Pembaikan, Persimpangan Bertingkat Jenis Cloverleaf Di KM P2.2 Lebuhraya Sambungan Putrajaya dan Kerja-kerja Yang Berkaitan Ke Selangor Science Park 2, Bukit Baja, Mukim Dengkil, Daerah Sepang, Selangor Darul Ehsan Untuk Tetuan Perbadanan Kemajuan Negeri Selangor (PKNS) (by Clarity Hectares Sdn Bhd)



Bamboo-Geotextile Composite System/Geobamtile



Reservoir Slope Rehabilitation Work at Bandar Putra Segamat. Repaired slope supported by Geobamtile platform sat over soft dark highly weathered graphitic soil. (by Clarity Hectares Sdn Bhd)



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 (by Clarity Hectares Sdn Bhd)



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 (by Clarity Hectares Sdn Bhd)



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



Bamboo-Geotextile Composite System/Geobamtile



Cadangan Membina Pasar Borong Batu Pahat di atas Lot 34477 dan 34478, Taman Kota Murni, Batu Pahat, Johor Darul Takzim (by Clarity Hectares Sdn Bhd)



Design and Build EA Wall and Bamboo-Geotextile Composite System for a Proposed Petrol Kiosk Site on PTD 3306, Batu 50 ¼, Jalan Johor, Mukim Renggam, Kluang, Johor (by Clarity Hectares Sdn Bhd)



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 (by Clarity Hectares Sdn Bhd)



Geobamtile System to Support Heavy Gazebo and Signboard Structures at Eco Sanctuary Sdn Bhd, Bukit Kemuning, Selangor Darul Ehsan (by Clarity Hectares Sdn Bhd)



Bamboo-Geotextile Composite System/Geobamtile



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. (by Clarity Hectares Sdn Bhd)



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 Composite System (BGCS) (by CH Tech Global Sdn Bhd)



Proposed Geobamtile Ground Treatment For Cadangan Pembangunan Perumahan (Parcel 6) Di Bawah Skim Komuniti Berpagar & Berkawalan Bagi Cadangan Pembangunan Rumah Teres (Jumlah 108 Unit) Di Atas Lot Pt 41327, Mukim Tanjung Dua Belas, Daerah Kuala Langat, Selangor Darul Ehsan Untuk Eco Sanctuary Sdn Bhd (Contract No. : ES/INF/C174/19) (by Advanced Clarity Hectares Sdn Bhd)



Drain Crossing - Proposed Construction And Completion Of Road And Drainage Works And Related Works For Pinnacle Sdn. Bhd., Zone 5 Section 1, Mukim Ijok, Daerah Kuala Selangor D.E. Untuk Tetuan Paragon—Bamboo-Geotextile Buoyant System Method for Ground Treatment (by Advanced Clarity Hectares Sdn Bhd)



Bamboo-Geotextile Composite System/Geobamtile



Menaiktaraf Jalan Pelabuhan Utara Dari Klang Container Terminal (KCT) ke Northport, Pelabuhan Klang, Selangor No. Kontrak : JKR/IP/CKUB/186/2016 - Ground Treatment Work Using Bamboo-Geotextile Buoyant System (BGBS) or Geobamtile (by Advanced Clarity Hectares Sdn Bhd)



Kerja-kerja Menaiktaraf Jalan Persekutuan FR5 Dari Tanjung Karang Ke Sabak Bernam, Selangor Sarul Ehsan - Ground Treatment Work Using Bamboo-Geotextile Buoyant System (BGBS) or Geobamtile (by Advanced Clarity Hectares Sdn Bhd)



.Pembinaan Jalan Dari Kuala Temoyong Ke Teluk Baru Dan Pantai Tengah, Langkawi, Kedah Darul Aman - Sub-Contract for Design, Construction and Completion of Geobamtile Platform System for Earth Treatment Works (by Advanced Clarity Hectares Sdn Bhd)



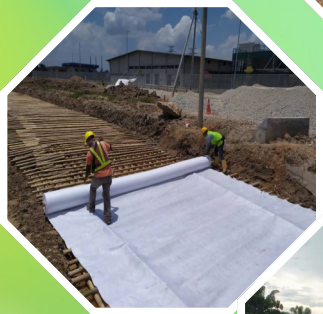
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Bamboo-Geotextile Composite System/Geobamtile



Proposed Mixed Development At Lot Pt41466, Persiaran Bestari, Cyber 11, Cyberjaya, Mukim Dengkil, Daerah Sepang, Selangor Darul Ehsan (Edusphere Phase 3A) - Bamboo Geotextile Buoyant System Method for Ground Treatment (by Advanced Clarity Hectares Sdn Bhd)



Pembangunan Bagi Tujuan Industri Di Atas Ptd 3975, Mukim Sungai Kluang, Daerah Batu Pahat, Johor Darul Takzim Untuk Tetuan Tzel Development Sdn Bhd—Ground Treatment with Geobamtile At The JKR Road Widening Areas (by Clarity Hectares Sdn Bhd)



Cadangan Pembangunan Dan Pembinaan Kem Adventure (Kem Aktiviti Lasak) Di Atas Lot 5934, Mukim Minyak Beku, Batu Pahat, Johor Darul Takzim Untuk Tetuan Senta Adventure Camp Sdn Bhd - Ground Treatment Work Using Bamboo-Geotextile Buoyant System (BGBS) (Advanced Clarity Hectares Sdn Bhd)



Menaiktaraf Laluan FT069 Dari Simpang Empat Jalan Hutan Melintang Ke Parit 19, Daerah Bagan Datuk, Perak Darul Ridzuan - Ground Treatment Work Using Bamboo-Geotextile Buoyant System (BGBS) (by Advanced Clarity Hectares Sdn Bhd)





CH TECH GLOBAL SDN BHD

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