TBT PILING (SABAH) SDN BHD

(Co. Reg. No. 1053147-T)

COMPANY PROFILE

TBT PILES

ABOUT US

TBT Piling (Sabah) Sdn. Bhd. was founded in July 2013 by our Managing Director, Mr. Tan Peng Lam, in order to offer the local construction market a comprehensive range of services specific to foundation piling, including supply of our precast 'TBT Pile' products.

Currently, we are one of the leading piling contractors in Sabah, equipped with an extensive range of machinery and supporting equipment for the installation of all major categories of foundation piles, via both modern and conventional methods, all conducted in accordance with relevant local and international standards.

To date, our organisation has successfully completed a significant number of piling projects in Sabah, of varying scope and magnitude, and we consistently strive to provide the best service to all our current and future clients and customers.

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OUR DETAILS

CORRESPONDENCE ADDRESS :
Lot 45, No.11 Lorong Gunung Ulu Merak 2, Taman Hilltop,
Jalan Lintas, Luyang, 88300 Kota Kinabalu, Sabah, Malaysia
Tel : 088-213 816
Fax : 088-204 687
Email Address : admin@tbtpiling.com.my
Website : www.tbtpiling.com.my

DATE OF INCORPORATION :
5th July 2013

INCORPORATION CERTIFICATE NO :
1053147-T

PAID-UP CAPITAL :
RM 50,000,000.00

CIDB GRADE :
G7 (CIDB No: 0120150716-SB164742)

NATURE OF BUSINESS :
1. Supply of Precast Reinforced Concrete 'TBT Pile' Products
2. Installation of RC, Prestressed and Steel Pipe Pile Products
3. Cast-in-Place Bored Piling Construction
4. Temporary and Permanent Sheet Piling Works
5. Marine (near-shore) Piling Works

COMPANY SECRETARY :
Duomatic Corporation Services Sdn Bhd
Lot 23-2, 2nd Floor, Lintas Plaza, Lorong Lintas Plaza,
88300 Kota Kinabalu, Sabah
Tel No: 088-266 723
Fax No: 088-267 721
Contact Person: Ms. Wong Lee Fun

BANKING REFERENCES :
Public Bank Berhad
Lido Branch Lot 8,9, &10 Block P Taman Che Mei ,
KM 5 Jalan Penampang,
88300 Lido, Kota Kinabalu, Sabah.

UOB Bank Berhad
Bangunan UOB 70, Jalan Gaya, 88000 Kota Kinabalu.

CERTIFICATES AND LICENSES

CIDB MALAYSIA

PERAKUAN PENDAFTARAN

Adalah dengan ini diperakui bahawa kontraktor yang dinyatakan di bawah ini telah berdaftar dengan Lembaga mengikut Bahagian VI Akta Lembaga Pembangunan Industri Pembinaan Malaysia 1994. Pendaftaran ini adalah tertakluk kepada syarat-syarat yang telah ditetapkan bersama perakuan ini.

No. Pendaftaran	:	0120150716-SB164742
Nama Kontraktor	:	TBT PILING (SABAH) SDN. BHD.
Alamat Berdaftar	:	LOT 9, MPKK NO1-2, 2ND FLOOR, KOLAM PLAZA, LUYANG, 88300 KOTA KINABALU SABAH
Daerah	:	KOTA KINABALU
Tarikh Mula Berdaftar	:	16/07/2015

GRED	KATEGORI	PENGKHUSUSAN
G7	B	B04
G7	CE	CE21
G7	ME	M15

Tarikh Mula Berkuatkuasa : **24/09/2019**

Tarikh Habis Tempoh Perakuan : **11/09/2022**

STATUS: AKTIF

Ketua Eksekutif
Lembaga Pembangunan Industri Pembinaan Malaysia
Tarikh: 24/09/2019

CIDB CERTIFICATE

SIRIM QAS INTERNATIONAL

CERTIFICATE

QUALITY SYSTEM SIRIM

SIRIM QAS International hereby certifies that

TBT SDN. BHD.
LOT 43 & 44, SPG 557
KG. SALAR INDUSTRIAL ESTATE
JALAN MUARA, BU1429
BRUNEI DARUSSALAM

STANDARDS MALAYSIA

has implemented a Quality Management System complying with

ISO 9001 : 2015

QUALITY MANAGEMENT SYSTEMS - Requirements

Scope of Certification

1) **PRODUCTION OF READY-MIXED CONCRETE;**
2) **MANUFACTURE OF PRECAST REINFORCED CONCRETE PILES.**

UKAS 074

IQNet

Issue date	:	**23 December 2019**
Original certification date	:	**30 December 2004**
Expiry date	:	**29 December 2022**
Certificate no.	:	**QMS 01362**

SIRIM QAS International Sdn. Bhd.
(Company No. 490334-X)
1, Persiaran Dato' Menteri
Section 2, P. O. Box 7035
40700 Shah Alam
Selangor Darul Ehsan
MALAYSIA
Tel : 60-3-5544 6404
Fax : 60-3-5544 6787

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

Mohd Azanuddin Salleh
Chief Executive Officer
SIRIM QAS International Sdn. Bhd.

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

SIRIM QAS CERTIFICATE

PRECAST REINFORCED CONCRETE 'TBT PILE' PRODUCTS

'TBT Pile' products are high strength (C40/50) continuously reinforced precast concrete square piles designed in compliance with 'BS EN 12794:2005 Foundation piles', and manufactured under factory controlled conditions and processes in conformance with an ISO 9001:2015 certified Quality Management System, to ensure high quality and reliability. Standard 'TBT Pile' products satisfy the requirements for exposure class XC2, and are suitable for installation in relevant infrastructure and building foundations using impact or injection (jack-in) methods and machinery.

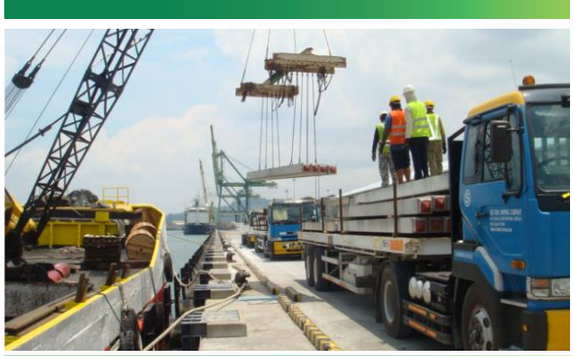
Standard 'TBT Pile' segments consist of both initial and extension piles, in a broad range of sizes up to 450mm Sq., with typical lengths for each pile size, which should be jointed through partial penetration butt welding by suitably experienced personnel using appropriate welding equipment and materials.

In certain circumstances, 'TBT Pile' products may be designed, manufactured and supplied to suit a particular clients' specific requirements for individual projects, with respect to structural capacity, wastage and commercial considerations, thereby assisting economic construction of the piled foundations.

For further specific technical information, reference should be made to the 'TBT Pile' products brochure.

In-house computerised wet-mix batching plant

Stock piles of TBT Piles ready for delivery



Export of TBT Piles

Stacking and distribution of TBT Piles by tower crane

CAST-IN-PLACE BORED PILING CONSTRUCTION

TBT Piling (Sabah) Sdn. Bhd. possesses the technical expertise, experienced resources and suitable machinery and equipment for the proper construction of cast-in-place bored foundation piling, conducted in accordance with 'BS EN 1536:2010 Execution of special geotechnical works – Bored piles'. This staged operation basically consists of boreholes excavated by rotary drill, insertion of pre-fabricated steel reinforcement cages (where required), and filling of resultant void with appropriate strength concrete.

The rotary drilling rigs may be equipped with various types and sizes of drilling accessories to enable a wide work scope to be undertaken for drilling in clays, sand layers, gravel layers, and medium weathered rock, with a depth of bore of up to 55m for a maximum diameter of 3000mm. The drilling operation is highly efficient, powerful and incorporates advanced hydraulic pressure and electrical control systems for accurate and consistent boring. The piling rigs are convenient to transport and are ready to commence works almost immediately upon arrival at site.

Currently available rotary drilling rigs are capable of bored pile construction from 500mm dia. up to 3000mm dia., with appropriate supporting equipment and cranes for all associated activities including installation/withdrawal of temporary casing, insertion of reinforcement, and placement of concrete via hopper and tremie pipe system.

For a more detailed description of the methods and procedures involved in cast-in-place bored piling construction, reference should be made to the TBT Piling (Sabah) Sdn. Bhd. standard method statement.

Rotary Drilling Rig

Supporting equipment

HYDRAULIC INJECTION PILING SYSTEM

TBT Piling (Sabah) Sdn. Bhd. utilises the imported ZYC Injection System as an alternative modern method for the installation of both reinforced concrete piles and prestressed spun concrete piles, conducted in accordance with 'BS EN 12699:2001 Execution of special geotechnical work – Displacement piles'.

The machinery comprises an innovative hydraulic injection piling system which operates with limited noise, vibration and pollution. It allows for a smooth, simple and rapid pile installation process whilst adhering to most stringent environmental protection requirements. It is generally economically comparable with the conventional impact hammer piling machinery, and is more suitable when piling adjacent to sensitive structures, or in urban areas where a clean, noise-free and vibration-free piling system is essential.

The operation of machinery and system is suitably adjustable to allow piles to be positioned and installed with a high level of accuracy. Final setting of the piles is conducted by a cyclic loading procedure to ensure that the required bearing resistance by the surrounding soil has been achieved, thereby conducting a quality check through effectively load testing each individual pile upon completion of installation.

The machinery may be readily manoeuvred around site, and with its wide base and low centre of gravity it is suitable for most stable working platform conditions. It is easily dismantled for transportation and is generally of low maintenance.

Current available injection machinery consists of 120, 320 and 800 Tonne systems, with capabilities to install a broad range of RC piles (150mm sq. to 450mm sq.) and Spun piles (250mm dia. to 800mm dia.)

For a more detailed description of the methods and procedures involved in hydraulic injection piling, reference should be made to the TBT Piling (Sabah) Sdn. Bhd. standard method statement.

320 Tonne Injection Piling Rig

240 Tonne Injection Piling Rig

HYDRAULIC HAMMER PILING SYSTEM

TBT Piling (Sabah) Sdn. Bhd. possesses a wide range of hydraulic hammer piling rigs for the installation of both reinforced concrete piles and prestressed spun concrete piles, conducted by experienced resources in accordance with 'BS EN 12699:2001 Execution of special geotechnical work – Displacement piles'.

The hammer piling rigs are generally simple to mobilise and assemble at site, and are normally ready to commence works almost immediately upon arrival at site. They are capable of performing pile installation works in the majority of stable working platform conditions, and are able to individually handle segmental piles of up to 12m in length, for both vertical and raked piling requirements.

Pile installation is conducted utilising the 'Hiley' dynamic formula to determine the final set of a pile, with proper consideration for depth of penetration, required bearing resistance of the soil c/w appropriate safety factor, temporary compression of materials, and driving stresses, and to ensure as far as practicable that the most suitable hammer weight and impact energy is adopted to satisfy pile installation requirements and minimise risk of damage to piles during the installation process.

Current available impact hammer machinery includes from 1.0 Tonne to 13.0 systems, with capabilities to install a broad range of RC piles (150mm sq. to 450mm sq.) and Spun piles (250mm dia. to 800mm dia.)

For a more detailed description of the methods and procedures involved in conventional hydraulic hammer piling, reference should be made to the TBT Piling (Sabah) Sdn. Bhd. standard method statement.

Installation of Prestressed Spun Piles

Installation of Precast R.C. Piles

INSTALLATION OF STEEL SHEET PILING

Within its fleet of machinery and equipment, TBT Piling (Sabah) Sdn. Bhd. maintains hydraulic vibratory hammer mechanisms for use with both excavator and crawler crane, for the installation/withdrawal of steel sheet piles in accordance with 'BS EN 12063:1999 Execution of special geotechnical work – Sheet-pile walls'.

Through modern hydraulic attachments, vibratory hammers drive or extract steel sheet piles by applying rapidly alternating vertical forces to the clamped piles. They offer the advantages of high rates of penetration, reduced ground vibrations and noise levels, and the possibility of extraction/correction of misplacement errors, which can translate to significant economic savings and improved project environmental issues.

The currently available vibratory systems are capable of installation of steel sheet piles of various lengths, to form a continuous soil retaining structure of lapped or interlocking individual sheet piles, with the assistance of guide-frames (if required).

Services offered include installation/extraction of temporary/permanent sheet pile walls for earth retaining or cofferdam structures in land or near-shore marine environments. The equipment may also be utilised for the insertion/extraction of temporary/permanent steel casing for bored pile construction, and installation of steel pipe piles.

For a more detailed description of the methods and procedures involved in installation of steel sheet piling, reference should be made to the TBT Piling (Sabah) Sdn. Bhd. standard method statement.

Cofferdam Sheet Piling Works Using Combination of Crawler Crane and Excavator Mounted Vibro Hammer

Installation of 24m Lengths Sheet Piled Wall

Excavator Mounted Vibro Hammer

EXAMPLE COMPLETED PROJECTS

It is the policy of TBT Piling (Sabah) Sdn Bhd to undertake foundation piling supply and installation projects of all sizes and from all domains inclusive of the development, public and private sectors. Therefore, the values of projects ventured since inception vary from a few thousand RM to a few million RM, with many projects conducted simultaneously.

The following examples of projects embarked upon by TBT Piling (Sabah) Sdn Bhd are presented in order to emphasize the vastly different quantum of works, clients, customers and scope of foundation piling operations, and to highlight the company's capabilities and achievements.

CLIENT : Mega City Avenue Sdn Bhd
PROJECT : Lido Avenue Condominiums
LOCATION : Lido
PILING DETAILS : 450mm Sq. RC Piles
INSTALLATION METHOD : Impact Hammer Piling

CLIENT : Trans Resources Corporation Sdn Bhd
PROJECT : RMN Submarine Base Infrastructure Works
LOCATION : Sepanggar Bay
PILING DETAILS : 300mm Sq. RC Piles
INSTALLATION METHOD : Injection Piling

CLIENT : B.H.O Sdn Bhd
PROJECT : University Malaysia Sabah Teaching Hospital
LOCATION : Kg. Kibagu
PILING DETAILS : 400mm Dia. Spun Piles
INSTALLATION METHOD : Prebore & Hammer Piling

CLIENT : PTKK Construction Sdn Bhd
PROJECT : Skyvue Residence Condominiums
LOCATION : Penampang
PILING DETAILS : 600mm Dia. Spun Piles
INSTALLATION METHOD : Impact Hammer Piling

CLIENT : MIE Infrastructure & Energy Sdn Bhd
PROJECT : Elevated Access Road at Sabah Oil & Gas Terminal
LOCATION : Kimanis
PILING DETAILS : 1500mm Dia. Bored Piles
INSTALLATION METHOD : Bored Piling

CLIENT : Tower Paradise Sdn Bhd
PROJECT : Maya @ Likas Condominiums
LOCATION : Kota Kinabalu
PILING DETAILS : 600mm Dia. Spun Piles
INSTALLATION METHOD : Impact Hammer Piling

CLIENT : A.E.W Construction Sdn Bhd
PROJECT : Finger Pier for Barge Berthing
LOCATION : Sepanggar Bay
PILING DETAILS : 610mm Dia. Pipe Piles
INSTALLATION METHOD : Impact Hammer Piling - Near Shore

CLIENT : Bina PYK (Sabah) Sdn Bhd
PROJECT : Jesselton Quay Central Development
LOCATION : Kota Kinabalu
PILING DETAILS : 600mm Dia. Spun Piles
INSTALLATION METHOD : Impact Hammer Piling

CLIENT : Pembinaan Diodivinare Sdn Bhd
PROJECT : Jesselton Point Waterfront Jetty
LOCATION : Kota Kinabalu
PILING DETAILS : 508mm Dia. Pipe Piles
INSTALLATION METHOD : Impact Hammer Piling - Near Shore

CLIENT : MCC Overseas (M) Sdn Bhd
PROJECT : Triconic Tower Condominiums
LOCATION : Bundusan
PILING DETAILS : 900mm Dia. Bored Piles
INSTALLATION METHOD : Bored Piling

CLIENT : SY Berjaya Sdn Bhd
PROJECT : Holiday Inn Hotel
LOCATION : Kota Kinabalu
PILING DETAILS : 450mm Dia. Bored Piles
INSTALLATION METHOD : Bored Piling

CLIENT : Omega Borneo Sdn Bhd
PROJECT : Upgrading Jalan Lintas - Flyovers
LOCATION : Lido/Lintas
PILING DETAILS : 1200mm Dia. Bored Piles
INSTALLATION METHOD : Bored Piling

CLIENT : Sanjung Cekap Sdn Bhd
PROJECT : Aeropod Commercial Development
LOCATION : Tanjung Aru
PILING DETAILS : FSP 111A Sheet Piles
INSTALLATION METHOD : Vibro Hammer Piling

CLIENT : Golden Wave Sdn Bhd
PROJECT : Commercial Development Cum Bus Terminal
LOCATION : Kota Kinabalu
PILING DETAILS : 1050mm Dia. Bored Piles
INSTALLATION METHOD : Bored Piling

CLIENT : Bright Eclipse Sdn Bhd
PROJECT : Aru Suite Commercial Development
LOCATION : Tanjung Aru
PILING DETAILS : 1200mm Dia. Bored Piles
INSTALLATION METHOD : Bored Piling

CLIENT : Mega City Avenue Sdn Bhd
PROJECT : K Avenue Condominiums
LOCATION : Kg. Sodomon
PILING DETAILS : 400mm Sq. RC Piles
INSTALLATION METHOD :Impact Hammer Piling

CLIENT : Peak Sunrise Development Sdn Bhd
PROJECT : Forest Hill Condominiums
LOCATION : Kota Kinabalu
PILING DETAILS : 200mm Sq. RC Piles
INSTALLATION METHOD :Impact Hammer Piling

CLIENT : Serisar Development Sdn Bhd
PROJECT : Fantasi Condominiums
LOCATION : Kota Kinabalu
PILING DETAILS : 1500mm Dia. Bored Piles
INSTALLATION METHOD : Bored Piling

A complete list of projects undertaken by TBT Piling (Sabah) Sdn Bhd is available on request

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