



Corporate Profile













An established and integrated player in the domestic piling and foundation services industry...





Bored piles are the deep foundation of choice for high-rise buildings in urban areas...



Bored piles are used mostly for large commercial and industrial developments and transport infrastructure projects.

- Able to support very high load capacity
- Low noise and vibration
- Able to core into hard rock





Vast experience in bored piling in infrastructure and property projects...



For conventional <u>bottom-up construction</u>, excavation is firstly carried out through to designed depth. Floor slabs are constructed sequentially from lowest level of basement.

<u>Top-down construction</u> method is often used for large-scale projects with limited construction time in congested areas. Structure is constructed downwards from ground level. <u>Basement</u>



Simultaneous construction of superstructure and basement



Recognized expertise in deep basement construction...



Completed Piling and substructure works for Elite Pavilion with 6-storey basement at Jalan Bukit Bintang, Kuala Lumpur



Completed Substructure and basement works for MAS Building with 6-storey basement at Jalan Sultan Ismail, Kuala Lumpur



BASEMENT CONSTRUCTION

Renowned expertise in undertaking technically-challenging and largescale piling and substructure works...

Econpile has one of the largest and most advanced arrays of piling equipment in Malaysia.
➢ Majority of rigs owned are 80 manufactured by Bauer

Complemented by customised tools, accessories and vibratory hammers



We maintain a wide range of ancillary equipment too

- Crawler cranes with lifting capacity from 50T-150T
- Various excavators, some of which with long reach capability which are ideal for basement





Renowned expertise in undertaking technically-challenging and largescale piling and substructure works...

principally complete involved in piling and driven piling substructure services services services services basement project in Engaged for to undertake the repair and maintenance of machinery in house basement project in Engaged for Kuala Lumpur that basement wo Kuala Lumpur that for W Hotel & Residences ar Construction method	orks 8 Conlay contract of t Kuala Lumpur Pavilion and (RM180m) and Damansara Menara FELCRA Heights (RM120m) (RM570m)	S
1987 1994 2002 2005 2012	2015 2017	
1993 1998 2004 2008 2014	2016 2018	
Received first bored piling project for 2 blocks of 20-storey endominium in Petaling JayaEngaged for bored piling and substructure Putrajaya developmentSubcontracted for foundation piling works for Pavilion Kuala LumpurBreached RM150m mark in revenue Secured basement project for Menara Prestige. Installed 3m diameter bored pileSuccessfully listed on Main Market of Bursa Malaysia	Secured two contracts above RM200m: and Oxley Tower KLCC (RM208m) Adju KL (RM280m) And Oxley Tower KLCC (RM208m) Adju KL (RM208m) Corporation Berhad (MRCB)	



Proven track record built on ideal combination of technical expertise, high-capability equipment and diverse project experience...



COMPETITIVE ADVANTAGES

Financial Highlights













Commendable five-year track record...





FINANCIAL TRENDS

Property development sector dominates project mix...





Margins slightly dampened by depreciation, higher steel prices and project mix...





Healthy net cash position to fund larger projects...



Balance Sheet (RM' mil)	30.06.17 (audited)	30.09.17 (unaudited)
Property, Plant and Equipment	98.1	100.3
Current Assets	403.4	433.9
Current Liabilities	185.3	197.9
Non-Current Liabilities	24.9	23.8
Shareholders' Equity	304.0	325.1
Net Gearing	Net Cash	Net Cash

Average ROE & ROA



BALANCE SHEET HIGHLIGHTS

First interim dividend of 1.5 sen per share paid in December 2017... adhering to minimum 20% dividend policy



Dividends declared in respect of FY2018

- 1st interim dividend of 1.5 sen/share
 - Paid on 21 December 2017

















Aiming for healthy balance of property and infrastructure projects... while upgrading technical capabilities



Continue to enhance fleet and workforce capability

- Earmark about RM30-40 million CAPEX for machinery expansion
- Training workers and improving business processes to enhance overall operational efficiency

Tendering for major infrastructure projects and iconic developments

- Bid on our own strengths / partner with strategic alliances for highways and railways (East Coast Rail Link, KVMRT 3, HSR, etc)
- Eyeing opportunities in Pavilion Damansara Heights (Phase 2), Bandar Malaysia, etc



Strong order book of RM1.2 billion to span across 3 years...



Investment Merits













Leading specialist piling player with largest order book & healthy project mix... Proxy to Malaysia's boom in construction sector



Valuations @ 17-January 2018

Share Price (RM)	1.31
Market Cap (RM 'mil)	1,752.1
Trailing PE	20.5
Trailing PE (net of cash)	19.9
FY17 Dividend Yield	3.4%







Appendix













Proven track record built on ideal combination of technical expertise, high-capability equipment and diverse project experience...





Vast experience across wide-ranging projects from key infrastructure to high-end residential and commercial property developments...

Piling Solutions





- Entails boring a hole into soil or rock to the required depth and placing reinforcement and concrete into the bored hole.
- Supports higher vertical column loads; widely used for high-rise buildings, bridge piers, etc.
- Reliable and economical solution for adverse ground conditions, especially limestone bedrock areas.
- Uses pre-manufactured/precast piles which are driven into the ground by hydraulic hammers
- Conventional method for medium rise buildings and structures.





- Involves pre-manufactured/precast piles being jacked into the ground by exerting large force using hydraulic or mechanical jack-in machine.
- Creates lesser vibrations and noise vs driven piles; suited for densely-populated areas



BUSINESS ACTIVITY: Piling solutions

Superior technical capabilities and management in foundation services... drawing on extensive experience in both piling and earthworks activities

Earth Retaining Systems



- Bored piles constructed at close spacing, incorporated as permanent structure for basement walls.
- Large diameter contiguous bored piles can be constructed to enable a longer cantilever structure for ease of unobstructed excavation works.
- Rectangular reinforced concrete walls, incorporated as permanent structure for basement walls.
- Can be installed in close proximity to existing building structure, rendering it suitable for congested areas particularly for deep basements.





- Commonly a temporary retaining wall, or an alternative to diaphragm walls.
- Also used in remediation of contaminated soils, major components in infrastructure construction (e.g. bridges, dams, port facilities) and in supporting excavation works.

BUSINESS ACTIVITY: Foundation services

Earth Retaining Systems



As excavation works go deeper, a lateral support system is required to prevent excessive movements in the earth retaining systems.

This is to prevent the sinking of ground surface surrounding the excavation pit, which may cause the collapse of the earth retaining system.

- Constructed by drilling holes through the soil according to the required depth. The holes are filed with cement ground.
- After the cement ground has gained strength, the steel strands are stressed against an anchor block, which is constructed along the retaining system.





- Steel H sections are used to brace the excavation pit by extending over the excavation. The steel section will be supported by vertical H beams or king post (central vertical post).
- Multiple layers of steel strut are installed for deep excavation.



BUSINESS ACTIVITY: Foundation services (cont

Earthworks services mainly to facilitate basement excavation...

Earthworks



Excavation Works



As excavation works go deeper, a lateral support system is required to prevent excessive movements in the earth retaining systems.

This is to prevent the sinking of ground surface surrounding the excavation pit, which may cause the collapse of the earth retaining system.



Temporary Steel Platform and Staging



Steel H sections are used to brace the excavation pit by extending over the excavation. The steel section will be supported by vertical H beams or king post (central vertical post).

Multiple layers of steel strut are installed for deep excavation.



BUSINESS ACTIVITY: Foundation services (cont)

Substructure & Basement Construction Works

Substructure works consist of pile cap, basement floors and columns up to the ground floor level.



Thick concrete slab constructed above a group of installed piles and acts as support to column that supports superstructure



Reinforced concrete floor where its thickness depends on the load it will bear

Conventional Construction (Bottom-Up) Method

- Piles are exposed and sliced off before the pile cap is casted. Casting is performed on the lowest basement, column and subsequent basement slab in this order.
- Work sequence starts from the lowest slab before progressing upwards

Top-Down Construction

- Structure is constructed downwards from ground level; and is preferable in congested areas with shorter construction periods.
- Enables utilization of upper floor slab as lateral support to the retaining system, omitting the construction of ground anchors or steel struts.

