

FOUNDATION
TECHNOLOGIES
AUSTRALIA

**the helical
screw pile
leader...**

About Us

Foundation Technologies Australia was founded in 2012 after the realisation by its managing director Steve Hassett that the domestic building sector was in need of a reliable helical screw piling installer who could provide a more diverse market offering and a clear understanding of the needs and wants of a challenging market segment in construction.

Foundation Technologies Australia is regarded as the leader in all aspects of helical screw pile supply and installation. With a commitment to product, technical aspects, installation methodology and to its customers, they find the most compliant yet cost effective solutions for their foundation needs.

With a clear understanding of the domestic building market Foundation Technologies Australia can assist with all areas of domestic construction from new builds (both slab on ground and bearer & joist), renovations, swimming pool foundations, decks to unit / townhouse developments.

With a fleet of excavators starting from 1.7T up Foundation Technologies Australia can cater for almost any size job no matter how big or small.

Foundation Technologies Australia is committed to supporting Australian made and Australian manufacturing. Their piles are made 100% in Australia from Australian sourced raw materials.

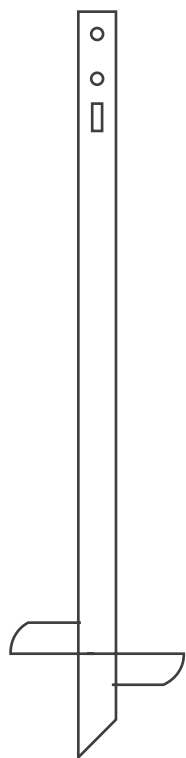
Our 5 Guiding Principals

- 1 Dedicated to providing a cost-effective solution for our clients' needs
- 2 Creating a strong alternative option for foundation works
- 3 Committed to supplying the highest level of customer service to our clients
- 4 Protecting the safety of all stake holders by maintaining a proactive approach to workplace health and safety
- 5 Integrity by providing a fully engineered solution that will stand the test of time and are to Worlds Best Practices.



History of Helical Screw Piles

In 1833 Alexander Mitchell, a Civil Engineer from Ireland, invented the Helical Pile. He won the Telford Medal for his creation. The first recorded use of helical piles was in 1836 for river moorings for ships. Since its first recorded job many others have tried different methods and designs of screw in piles, but Alexander Mitchell's original design has proven to offer the best solution for any form of screw in pile. Today throughout the world it is widely regarded that the most compliant form of screw in pile is the helical screw in pile. The helical pile has a consistent single pitch helix plate and is proven to offer less soil disturbance giving the pile the end bearing capacity.



Helical Pile vs Bored Pier

Helical Screw Piles offer many benefits over a bored pier;

- Almost zero disturbance to the surrounding soils
- Faster installation giving a quicker build time (helical screw piles can be installed to rates of over 100 piles per day per machine)
- No waiting for concrete cure improving build times (helical Screw piles can have trades follow immediately after installation)
- Helical Piles can be used either a slab on ground for concrete slabs or as a post for bearer and joist construction
- Controllable cost (a helical pile can be quoted in some instances a fixed price removing cost blowouts that can be incurred with concrete bored piers)
- Tight access (helical piles can be installed using small machines making tight access sites easier to get to)
- More accurate and better compliance. Helical piles must be installed using torque monitoring devices that record the "actual" load requirements of each pile whereas a bored pier is reliant on an inspector to look down a hole and assume the correct depth
- A Helical pile can be designed and have a proven life span of over 100 years by using the correct pile and with corrosion protection measures





For all your helical screw pile needs contact the team:



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@screwpileaus