

The Blade Pile



The best alternative to concrete piers, driven piles or grout piles.



Rapid & precise installation.



Measure soil strength during installation.



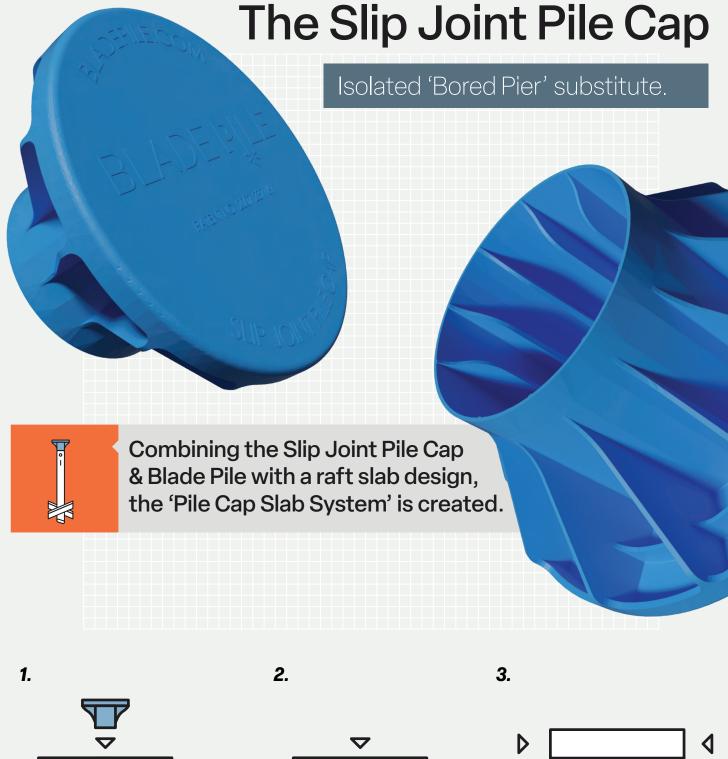
Superior capacity when compared to bored piers or screw piles.

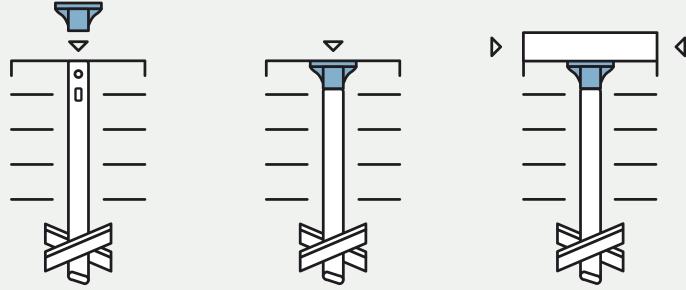


Fully compliant to Australian standards, AS2159-2009 & AS2870-2011.



Removable, reusable or recyclable. No site/ environmental damage after design life.

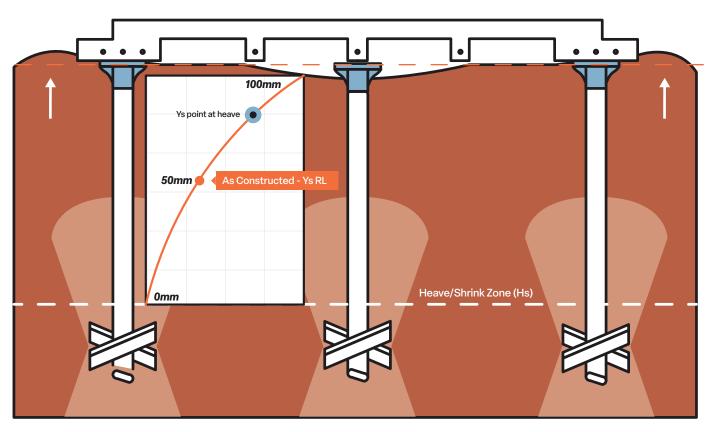


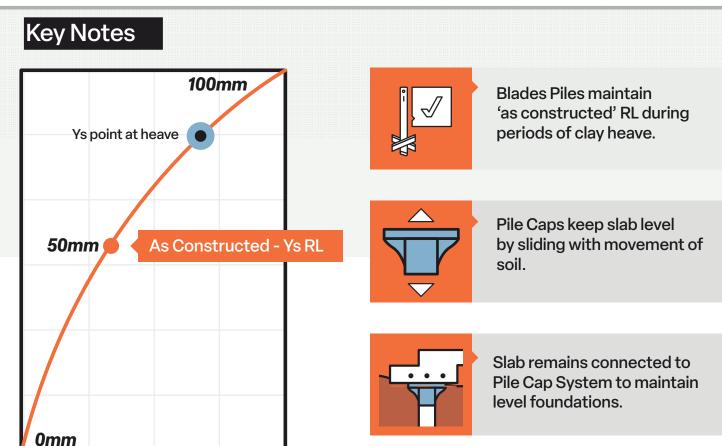


Pile Cap Slab System

Raft Slab, Blade Piles & Slip Joint Cap

Heaving Clay

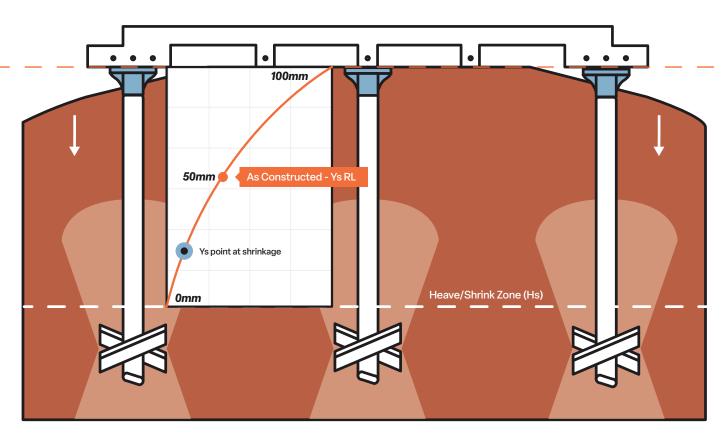


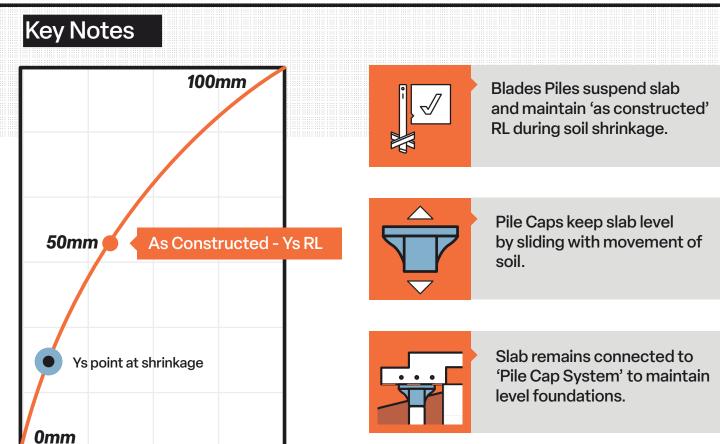


Pile Cap Slab System

Raft Slab, Blade Piles & Slip Joint Cap

Shrinking Clay

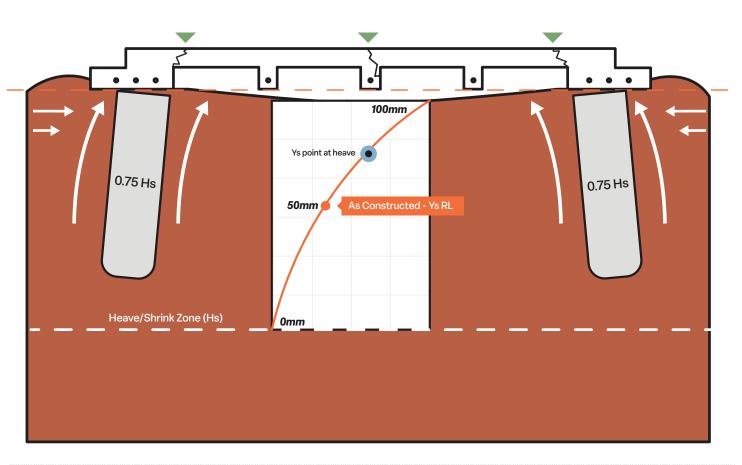


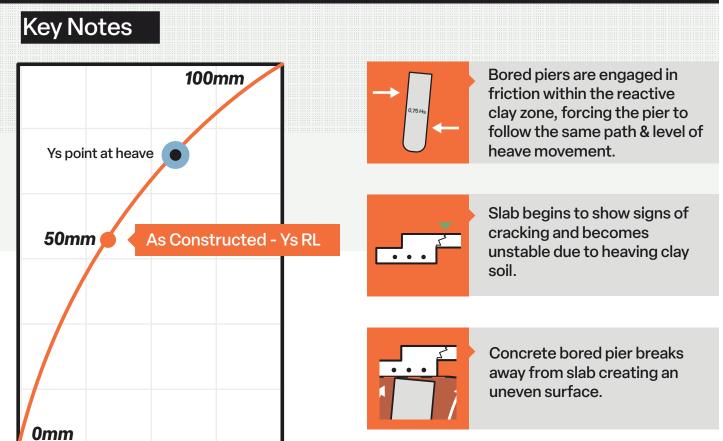


'0.75' Bored Piers in Heaving Clay Soil

'In friction' pushed up & rotated inward by clay

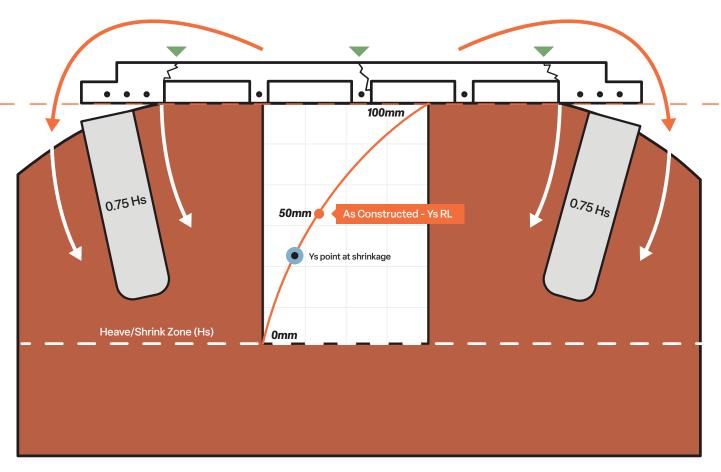
Heaving Clay

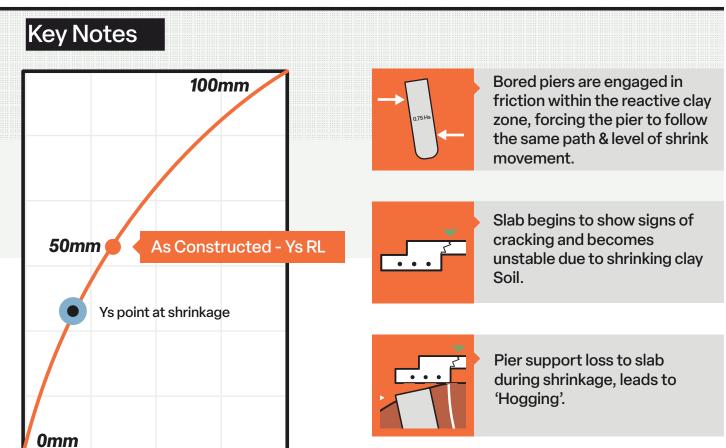




'0.75' Bored Piers in Shrinking Clay Soil

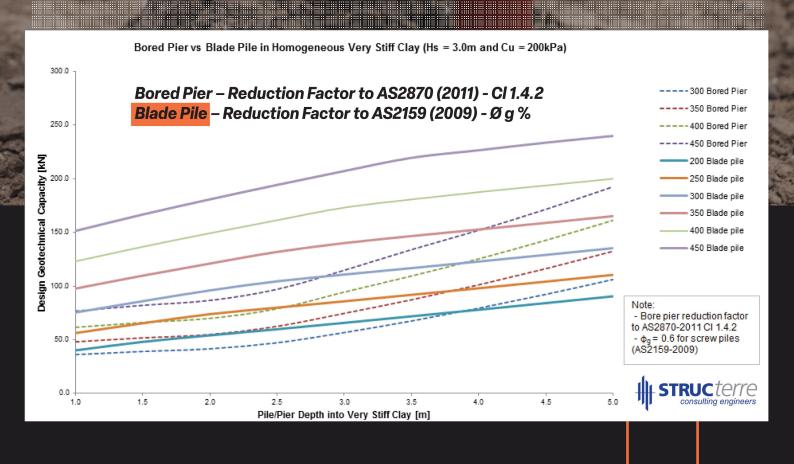
Shrinking Clay





Bored Pier vs. Blade Pile & Pile Cap

Blade Piles offer a superior alternative to concrete



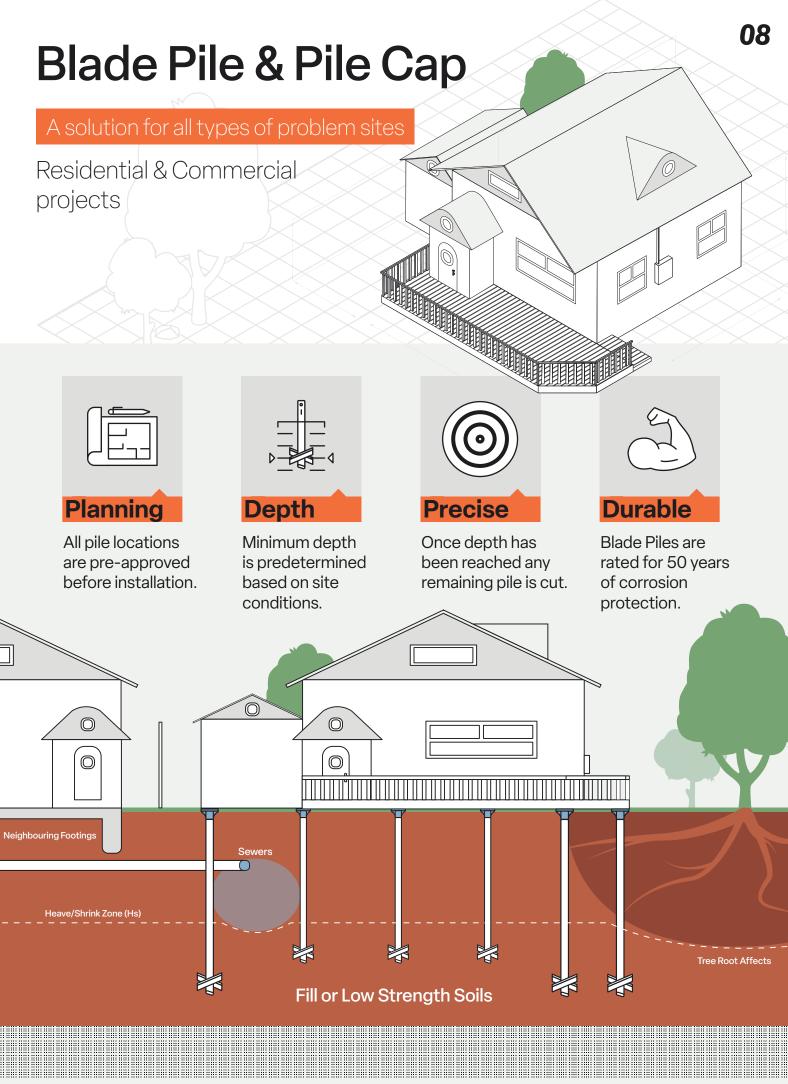


The Blade Pile outperforms the standard bored pier in our geotechnical capacity report in almost all sizes.



Made from 450 grade Australian steel, you can trust Blade Pile to deliver on quality and performance.





Pile Connection Innovation

Connecting

A solution designed & fabricated for all needs

Bearers









Pile Bracing Connections



Maximum torque

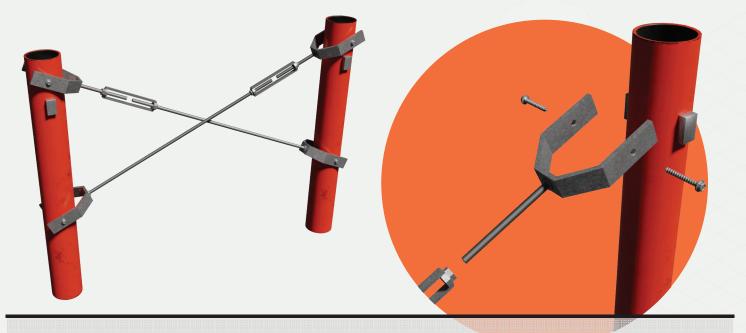
- 76.1mm Pile: 8,200nm - 88.9mm Pile: 15,000nm





Team size

Minimum team of 2 people (Installer + Site labourer)

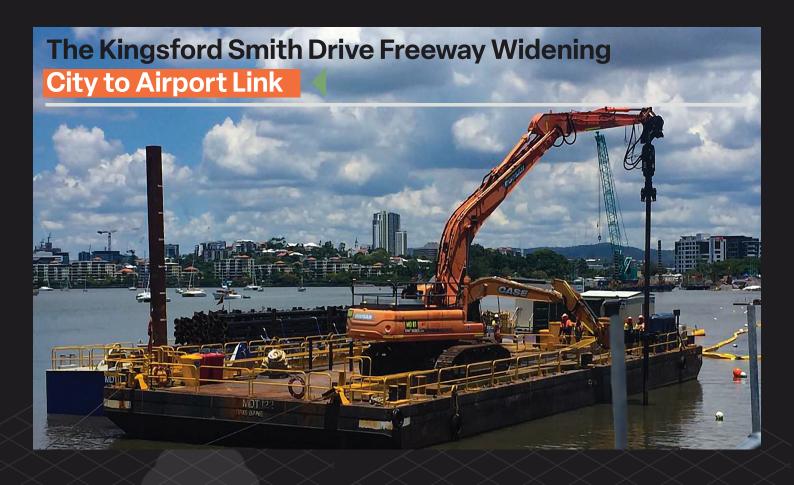


Key Notes

- Pile can't reach minimum depth
 - Attempt to work the pile anti-clockwise and clockwise to advance through materal.
 - If pile still refuses, remove pile by rotating anti-clockwise and use drill auger to create a pilot hole to the required depth.
 - Engage pile again and install to required depth.

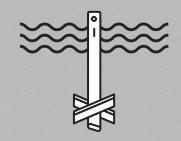
Pile Performance

010 BLADE **PJLE**



City infrastructure

Blade Piles being installed into the Brisbane River, for the Kingsford Smith Drive freeway widening, City to Airport Link.



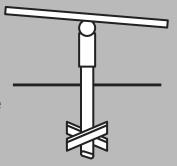
Pile Performance

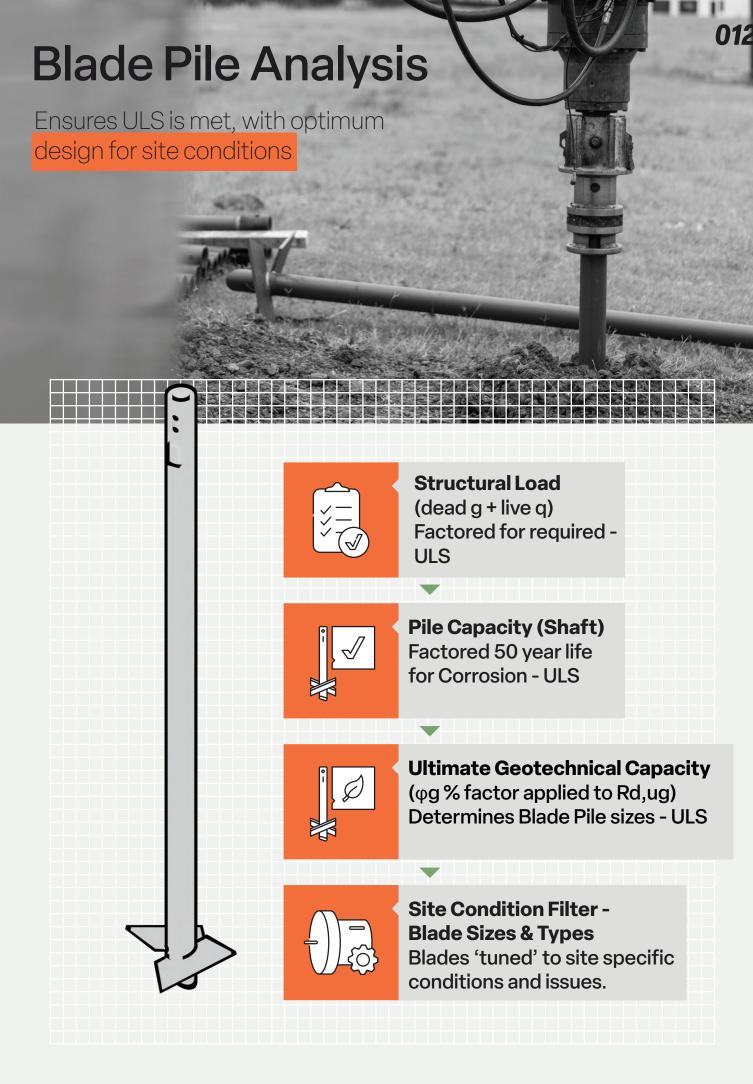
BLADE **PJLE**



A renewable future

- Australia's largest ever 'screw in' steel piling contract.
- 32,000 Custom designed Blade Piles supplied & installed on time & on budget.
- Made possible by the patented Solar Blade Pile.
- Added 25 years to solar farm life, removable, reusable or recyclable. No site/environmental damage after design life.





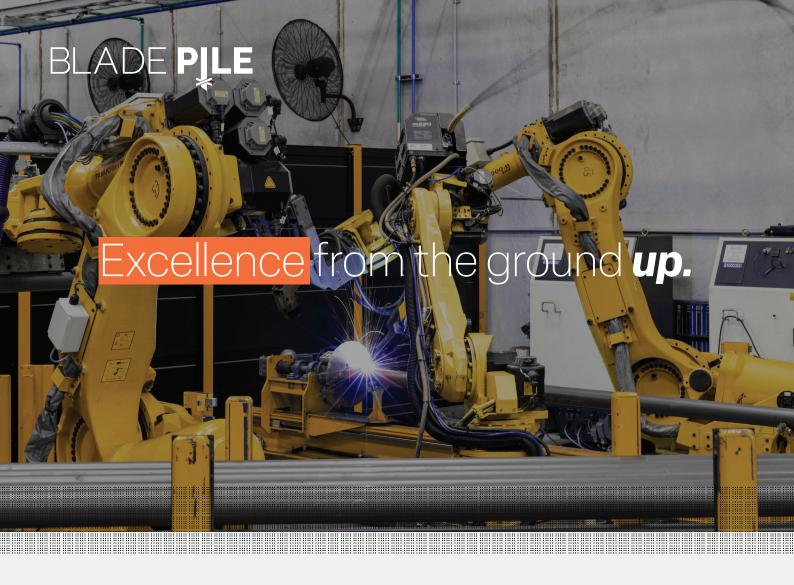
Pile Testing

Blade Pile has maintained the philosophy that ongoing independent structural and geotechnical testing of foundation products is critical.

We are proud to have independent verification and certification of our products and design methods from some of Australia's leading engineers over the years.

This includes Structerre Consulting Engineers, GHD Consulting Engineers WA, Aurecon SA, Prompt Certification WA, URS SA, University of South Australia, Griffith University, ALS Group, Foundations Specialist Group, Alfa Labs QLD, Dr. Peter Mitchell and Dr. Jialin Zhou.





Connect with us 😯



Call or email our team to get in touch.

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