



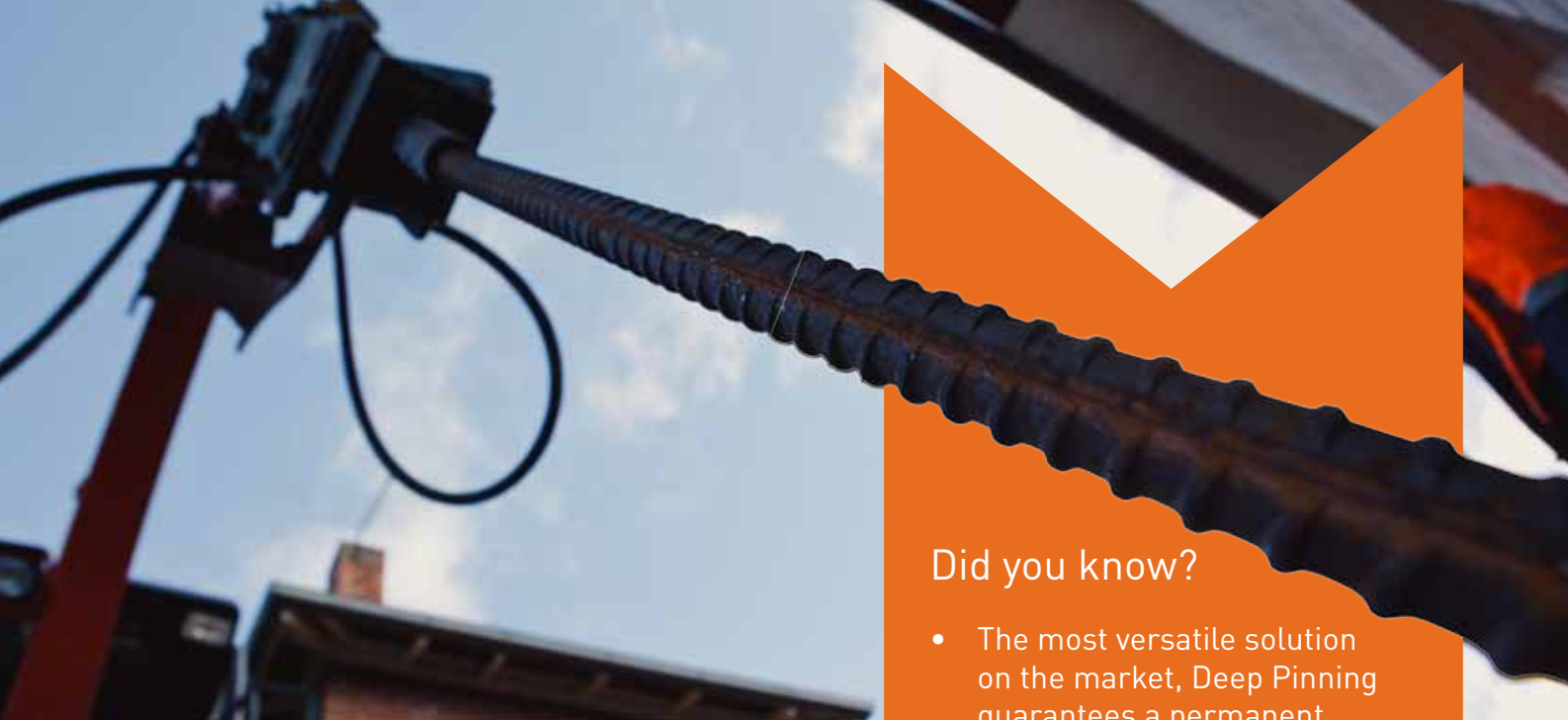
A **world first** patented system.
An underpinning you can **trust**.

DEEP
PINNING

www.deeppinning.com.au

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Have you noticed cracking and movement in your home?

An international first, Deep Pinning offers a permanent solution to repair failed footings.

Cracking of walls is typically the first sign of footing problems and chances are, underpinning may need to be considered. Underpinning is the process of re-supporting a failing footing onto a more stable and reliable foundation.

In the past, underpinning generally involved excavating a large hole under the footing and filling it with concrete. Unfortunately, this approach often made the situation worse, leading to further movement and cracking.

Thanks to a totally new patented technology, there is now an advanced underpinning alternative with exclusive advantages. 'Deep Pinning' is an innovative process that uniquely addresses the root cause of failing footings, rendering other methods a thing of the past.

The key point of difference is that Deep Pinning can penetrate deep, problematic soil profiles, providing consistent, permanent support to the failed footing. Essentially, the system involves driving large diameter, solid steel reinforcing bars vertically down through the ground until refusal on bedrock or very firm materials. These steel bars or 'pins' are then integrated into the footings of the building making the structure independent of the unstable foundation material and providing a solid surface upon which to raise and repair the damaged footing.



Did you know?

- The most versatile solution on the market, Deep Pinning guarantees a permanent solution to cracking
- Deep Pinning has been applied successfully to repair houses even in highly problematic sites such as swampland and sand dunes
- Deep-pinned footings are unaffected by changing ground conditions resulting from events such as leaking pipes, tree roots, geological anomalies and seasonal variations

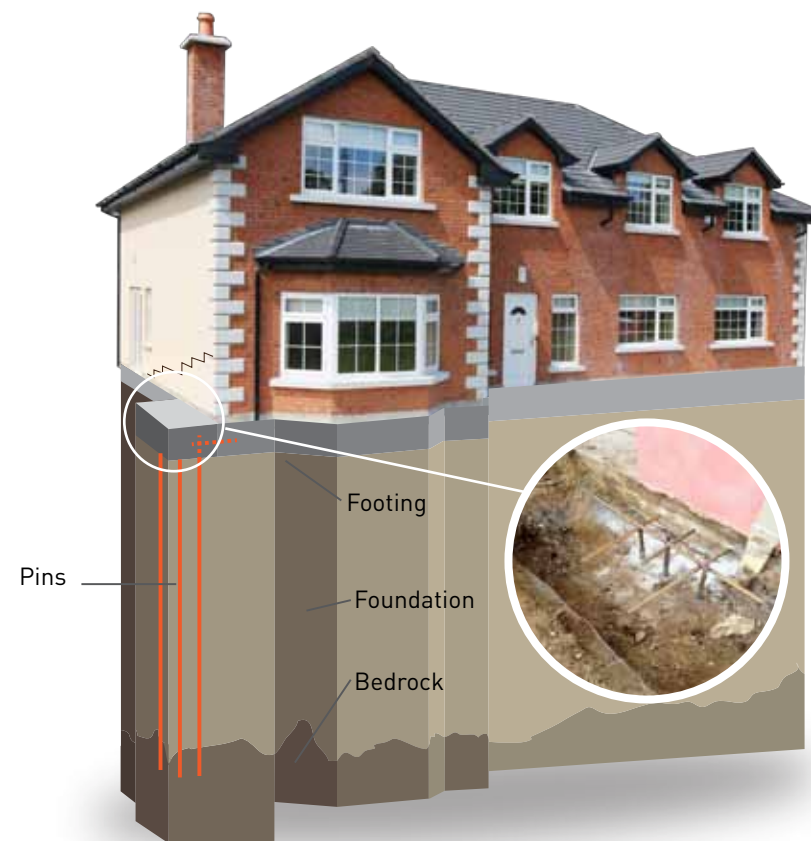
Deep Pinning is unparalleled in its capacity to re-level and stabilise sunken homes.

The Deep Pinning system uniquely addresses the root cause of footing problems, overcoming the uncertainties in the ground which lead to troublesome footing movement and structural damage in the first place.

7 key benefits of Deep Pinning:

- Creates a **permanent repair** which does not lose its effectiveness over time
- Requires far less concrete and is often cheaper than alternative underpinning methods
- Very efficient installation; a typical repair takes only a few days
- Ideally suited for problematic and deep clay sites
- Perfect for indoor and tight access sites where our hand-operated hydraulic equipment can be used
- Minimal disturbance during repairs to surrounding areas such as established gardens
- Repairs covered by a lifetime structural guarantee when bedrock is reached

Simply a **smarter** and **stronger** underpinning solution



This illustrates how the system allows the footings of a building to gain the support of solid rock, by means of large steel pins driven into the foundation until refusal on bedrock.

Our Customers

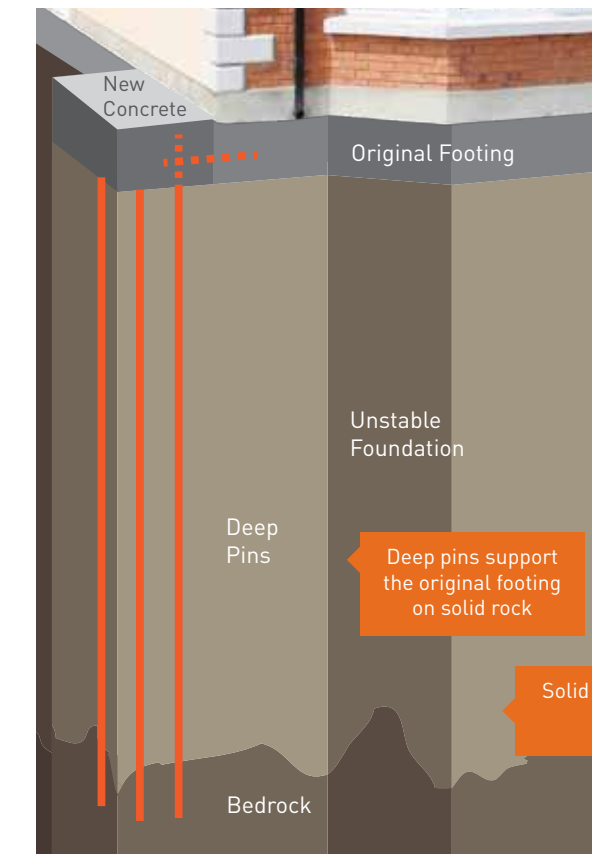
"Deep Pinning was performed on our property over three years ago. Penetrating over 20m of heavy clay and supporting 40 tonnes off each of the five underpins day-in, day-out with no settlement whatsoever is a strong endorsement that this system does work."

Rod Collins,
Acton Park, Tasmania

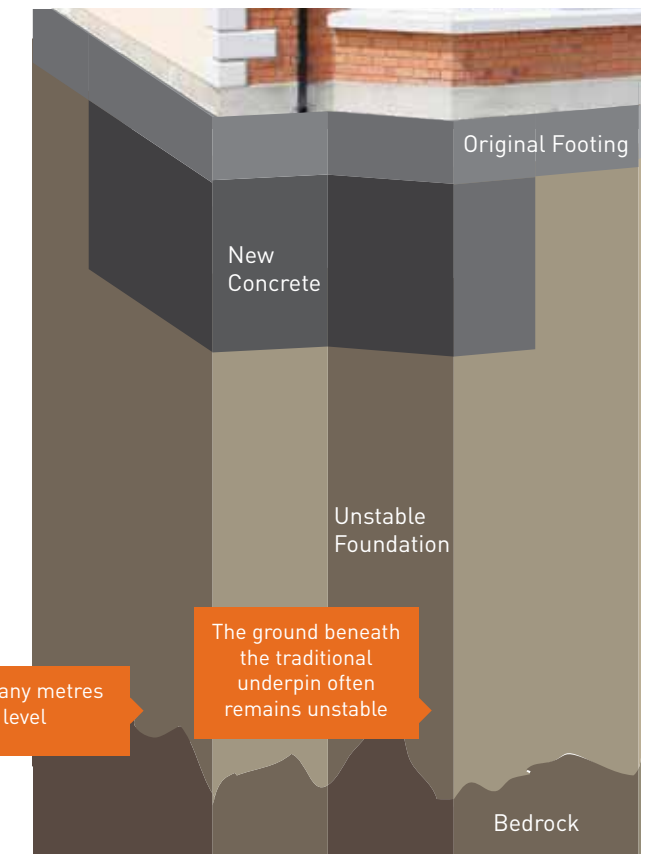
"Deep Pinning has given us piece of mind in the repairing of our home. Like no other option, the technique addressed the cause of the original problem by re-supporting the footing on bedrock. Finally, a solution that lasts!"

Jill & Derry Atkinson,
New Town, Tasmania

Deep Pinning



Traditional



As shown above, traditional underpinning methods do not guarantee a permanent solution to footing movement and cracking, and can actually accelerate settlement due to the larger quantity of concrete required.



Michael O'Halloran
BE (UTAS) PEng / Civil Engineer / Inventor of Deep Pinning

Mike O'Halloran has over 20 years of experience in the geotechnical and structural repair field with unique practical experience as a professional engineer. The Deep Pinning technology is the result of a culmination of 10 years of refinement and infield trials. The system is employed regularly in his underpinning business, The Underpinning Engineers, based in Hobart, Tasmania.

Member of:



The underpinning solution you can trust.

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