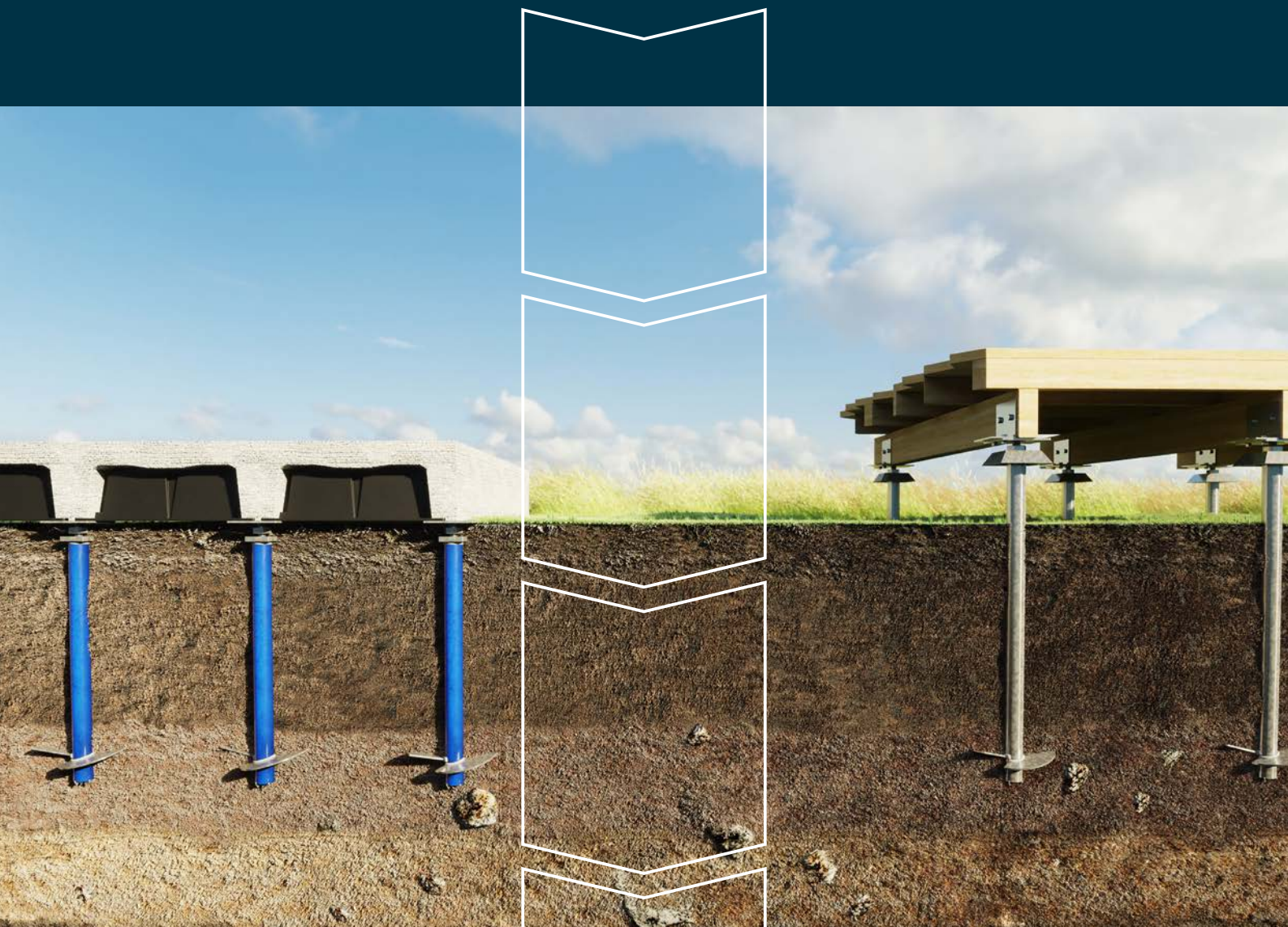




Katana Screw Pile Certified Foundation System

WORKING WITH THE EARTH, NOT AGAINST IT

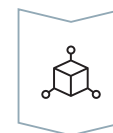


Tough on soil Easy on the earth

Foundations that work with the earth not against it

Most types of foundations try to wrestle mother nature into submission – and lose.

We design foundation systems that work with the earth to deliver superior ground connections: foundations that are more predictable, quantifiable, cost-effective and low risk.



Predictable

The same solid outcome. Every time. A foundation that maintains its performance as inevitable changes occur in the soil structure, whether natural change due to seasonal cycles, roots from trees or other man-made influences.



Quantifiable

Validate load bearing capacity on-site in minutes. A foundation that can be rapidly tested to ensure it has been installed correctly and meets engineering design requirements, leaving nothing to chance.



Cost-Effective

Fixed cost foundations. No hidden surprises. A foundation that significantly reduces or eliminates many fixed and variable costs, as well as removing cost uncertainties and blow-outs common with concrete foundation types.



Safe

Safer for people. Safer for the earth. A foundation that greatly simplifies the construction process, providing a safer work environment. Whilst minimising the impact upon the earth with minimum soil disturbance and use of materials.

A Foundation System designed from the ground up

We don't just develop foundation products that work with the earth better than any other method. We developed a foundation system capable of delivering a superior foundation every time and the system is certified via CodeMark.

The Katana Pile

The patented Katana twin-blade is central to all products in our foundation pile range. The twin-blade design, made with high-tensile steel Grade 400, delivers a high-performance foundation, piling through and bearing below the zone of influence, making it suitable for a multitude of applications.

The Connections

Designed for stability and versatility, our patented drive-head connection system provides seamless performance with the Katana pile, whilst enabling it to interface with any foundation or flooring system.

The Install Process

To ensure the install process is simple, safe and delivers a repeatable build quality, we provide installation guidelines and training through our licenced partner network. All build data is captured via the Installation App, enabling site design and QA to be validated.

The Test Method

Foundation performance can be validated through our patented on-site test procedure. The test process takes a matter of minutes and delivers certainty and transparency that the foundation meets the engineering design specification.

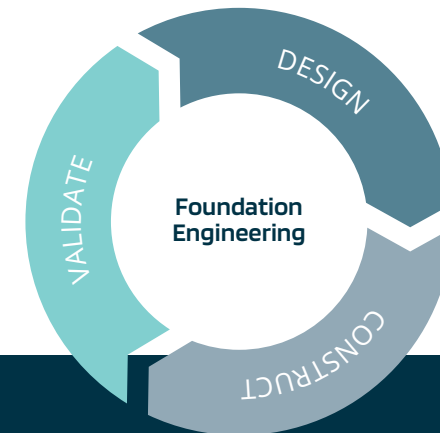
The CodeMark

We took our foundation system one step further, by certifying it under the CodeMark standard - to provide added confidence and transparency to designers, architects, builders, developers and regulators.

Katana Screw Pile Foundations

Foundation engineering is largely lacking in the ability to verify results once a foundation is constructed against an original design. Compliance inspections provide some insights as to the construction, but are unable to numerically validate the results. We've now solved this problem with our Closed-Loop foundation.

A closed-loop foundation is one that provides transparency on the entire foundation supply chain and build. It provides complete certainty for engineers, builders and owners alike by tracking product usage, ensuring correct installation, and verifying engineering foundation designs.



DESIGN

The Stoddart Foundations system is built on versatility. We support engineers through the design phase to use our system in all soil conditions, with all flooring and foundation types, and for a wide variety of building applications for maximum efficiency.



CONSTRUCT

All installers of the Katana Pile system are certified to ensure compliant and safe application and installation of the system.



VALIDATE

Pile validation is made possible through a combination of our patented test procedure and the Installation App. It is the portal through which all supply chain data is provided to site and where all on-site data and test results are recorded and validated.

Design with Confidence

Versatility of foundation design is at the heart of the Stoddart Foundations system. Our patented range of dual-blade foundation piles deliver the performance needed in all soil types, foundation types and building applications.

Soil Types

The Katana Pile was developed for challenging soil conditions in mind. It is equally capable of delivering the required engineering performance in cohesive and non-cohesive soils.

It is designed to reach down below expansive clays or low bearing soils and provide an end bearing in the soil stratum below the zone of influence.



Foundation Types and Building Applications

The Katana Pile system is designed to work with all foundation and flooring systems and an ever-increasing array of building applications. The versatile drive-head connection enables the Katana screw pile to be readily interfaced securely into different foundation designs.

We develop custom solutions in conjunction with organisations, engineers and OEMs that want the confidence of a closed-loop foundation system for their building projects.



Slab on
Ground



Void
Slab



Elevated
Flooring



Commercial
Applications



Custom
Design

The Katana Pile Unparalleled Design

The Katana Pile is a foundation designed to complement the earth. It delivers unparalleled load bearing capacity whilst simplifying the construction process and minimising impact on the earth. The Katana Pile secures structures by reaching deeper depths.

Longevity

Made to last with Australian steel & premium build quality.

Bearing Capacity

Able to deliver maximum load bearing.

Faster Install

No-dig deployment for faster, cleaner, cheaper installation.

Precision

High accuracy placement of piles.

Zone of Influence

The soil layers that shrink and swell with seasonal variances.

Deeper Depths

Secure the structure below the zone of influence.



**Construct in hours,
not days**



The Katana Pile speeds up foundation construction considerably, enabling a foundation to be built in hours not days. We further simplify the construction phase by providing clear installation guidelines, installer training and certification.

Accurate Estimating

The cost of a foundation built on Katana Piles can be calculated with precision. This method of building removes many variable costs such as those due to unpredictable weather, concrete delivery delays, concrete curing, concrete over-ordering, unsafe holes, removal of spoil and variable/collapsing soils.

Universal Suitability

The installation method for the Katana Pile is suited to a wide range of complex sites, such as sites with limited space – where a mini excavator or even a bobcat can be used – or on environmentally sensitive sites where concrete is not a viable or sustainable foundation option.

Quantified Performance Foundations you can measure

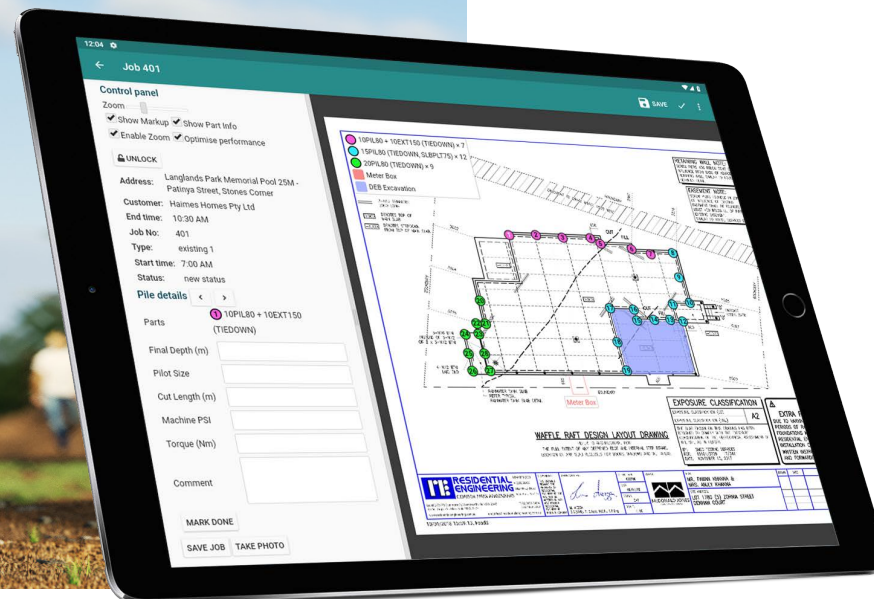
The Katana Pile system enables foundation performance to be validated on-site in a matter of minutes. It also supports a systemised approach to QA via the App.

Foundation Testing

Our patented on-site pile test method is carried out by one of our qualified installers. In minutes the load bearing capacity, torque and other key data are validated.

Quality Assured

The system ensures correct install is conducted by capturing all test data recorded on site and matching it to the quantity and specification of piles sent to site from the factory.



The Bottom Line

Our Closed-Loop Foundations work with the earth to deliver solid, lasting foundations. For developers and construction contractors, this means numerous cost benefits compared to other foundation methods and quantifiable results that can be trusted.



CodeMark
Certified



No
Concrete



No
Waiting



No
Spoil



No
Excavation



Difficult
Sites



Earth
Friendly



400+
Steel



Quality
Controlled

100% Australian Quality

The Katana Pile system is a 100% Australian innovation for a global market.

The design of the patented Katana Pile, foundation system and test method were all developed in Brisbane. The steel used in the Katana pile product range is exclusively sourced from BlueScope to guarantee quality and longevity. The piles are built by Stoddart Manufacturing, one of Queensland's fastest growing and most well-regarded companies in the construction industry.



Residential
Housing



Multi-
Residential



Modular
Buildings



Granny
Flats



Solar
Farms



Shipping
Containers



Tennis
Courts



Bowls
Greens



For more information on the Katana Screw Pile or our foundation systems, visit our website:

katanafoundations.com.au

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In collaboration with
KATANA Foundations to delivery
your certified screw pile foundation

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