



Helical Pile Foundations: Transforming Construction in New York



They're being used to support everything from large-scale solar farms to remote cabins. See how helical piles can improve the way you build.

A Foundational Problem

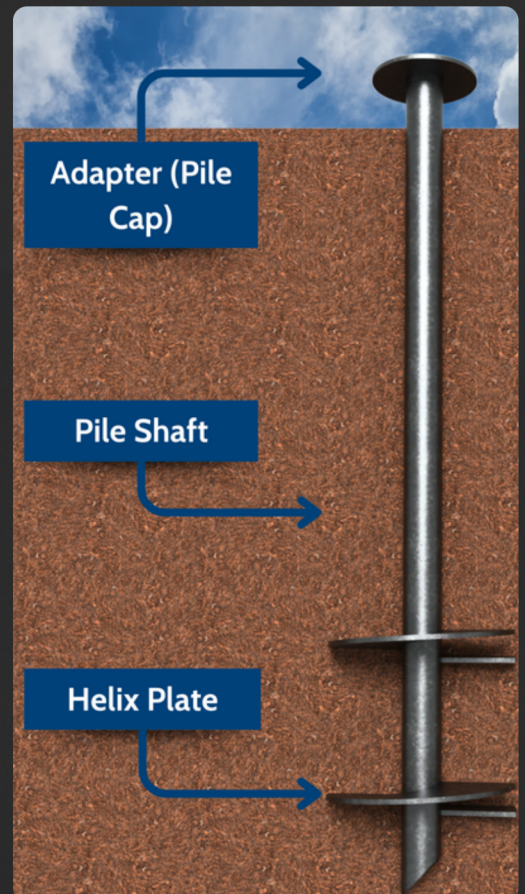
Typical foundation solutions usually fall into two categories: poured concrete or driven piles. Here's the challenge with those options...

- ⊘ Installation can take days or weeks
- ⊘ Significant environmental disruption
- ⊘ Extensive equipment and workers
- ⊘ Impractical for remote or hard-to-reach areas
- ⊘ Poor weather or soil conditions cause delays

The Helical Pile Difference

Forget digging holes for concrete or driving steel beams. Helical piles smoothly turn into the soil and anchor firm in supportive layers. The results?

- Dramatically faster installation
- Immediate load capacity
- Minimal environmental disturbance
- Lightweight machines, small crews
- Less carbon emissions and waste
- Installs in almost any location
- Can remove and re-use, 100% recyclable



How They Work

Helical piles work on a simple, but wildly effective, principle.

1

Piles are attached to a hydraulic motor (powered by an excavator), which rotates them into the ground

2

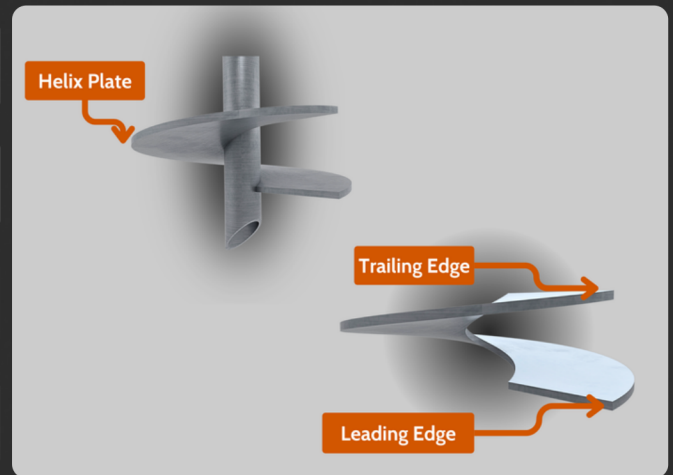
A specific pitch on the helix plate(s) advances the pile without displacing soil

3

Once it reaches firm layers, soil pressure on the helix plates anchors the pile

4

This design allows a helical foundation to resist compression and tension forces



Where Can You Use Them?

A great foundation solution for practically any project, here's some of the ways helical piles are being used across America...

ENERGY ⚡

- > Solar Farms
- > Battery Energy Storage
- > Grid Infrastructure

RESIDENTIAL 🏠

- > Complete Homes
- > Large Decks/Patios
- > Garages & Outbuildings

COTTAGE 🏡

- > Cottages & Cabins
- > Boat Docks & Lifts
- > Boathouses & Storage

COMMERCIAL 🏢

- > Pole Buildings
- > Concrete Support
- > Interior Piling



About CDP Excavating

We're your local team providing helical pile foundation design and installation for contractors, engineers, and homeowners in Central New York. Looking for a faster, easier, more versatile foundation?

Get in touch with us today!

Scan to Learn More!



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