

Pier Tech[®]

SYSTEMS

RESIDENTIAL
SOLUTIONS

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REASONS YOUR HOME IS SINKING



Drying of soils from the sun and weather conditions **1**

Evaporation **2**

Moisture loss from roots **3**

Shallow footings **4**

Broken or cracked pipes **5**

Extremely wet soil **6**

Organic Layer **8**

Compressible soil **7**

Soils affected by water tables **9**

Earthquakes and tremors **10**

Soft Clay
Dense Clay
Dense Sand
Gravel
Bedrock



SIGNS OF A SINKING HOME

Every year sinking foundations, cracked and buckled walls, and cracked and uneven floors affect millions of families. Homes situated on unstable soils will settle when the foundation is subjected to moisture or poor drainage. A shifting foundation could result in structural damage and potentially, a loss of your investment.

Inside:

- Doors and windows that stick
- Cracks in floors, on drywall, and on ceilings
- Gaps between walls and ceilings
- Gaps between walls and floors
- Stress to plumbing, electric, and gas lines



Outside:

- Cracks in masonry
- Gaps between bricks, doors, and windows
- Bricks leaning away from garage doors
- Sagging roof line
- Gaps between chimney and house





OUR INSTALLATION PROCESS

The permanent solution to your foundation problems is achieved when you choose the highest quality product, strongest materials, and rely on the experience and expertise of Pier Tech® Systems. Following an inspection of your foundation, a certified Pier Tech® Contractor will prepare a repair design based on soil conditions, damage, and the weight of the structure. The design analysis will address the helix size, location, and load requirements. Based on these criteria, the Pier Tech® certified contractor will give a price quotation.



1

We begin by excavating down to the footing at each pier location.



2

The footing must then be notched to accommodate the Tru-Lift® Bracket



3

A hydraulic torque drive is used to screw each pier into stable sub soil until design depth is achieved.



4

The Tru-Lift® bracket is then installed on each pile and securely attached to the foundation.



5

The foundation is raised to the determined elevation and the foundation is permanently stabilized.



6

Once the foundation is stabilized, all holes are backfilled and every effort is made to return the site to its original condition



PERMANENT FOUNDATION SOLUTION

PierTech® Systems has the tools to permanently solve your sinking foundation problems.



PRODUCT ADVANTAGES



PATENTED TRU-LIFT® BRACKET

PierTech® Systems, LLC. is the exclusive provider of the TRU-LIFT® Bracket. This revolutionary bracket virtually eliminates the potential for movement providing unsurpassed foundation stability.



PATENTED CROSS-BOLT CONNECTION

The PierTech® Systems, LLC. Cross-Bolt connection is the only connection which provides secure support in all planes. This design eliminates deflection in the piles providing superior stability.



QUALITY INSIDE AND OUT

PierTech® Systems, LLC. hot-dip zinc galvanizes all material to ensure superior corrosion protection.



MANUFACTURED TO THE HIGHEST STANDARDS

All PierTech® Systems, LLC. products undergo an extensive quality assurance testing program. PierTech® products are fabricated from the highest quality steel providing unmatched strength.



ON TIME SITE DELIVERY

PierTech® Systems, LLC. is dedicated to shipping on time, directly to the project site enabling timely completion.



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