

HELICAL PILINGS FOR DEEP FOUNDATIONS



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Technology Working for You



Helical Piling in Operating Facility

TERRATORQUE HELICAL PILING ADVANTAGES

- INSTALLATIONS UNAFFECTED BY WEATHER
- REDUCED CONSTRUCTION TIME
- DRY SYSTEM; NO EXCAVATION OR SPOIL REMOVAL
- INSTALLATIONS UNAFFECTED BY HIGH WATER TABLE
- COST SAVINGS OVER OTHER FOUNDATION SYSTEMS
- LIGHT WEIGHT AND EASY TO HANDLE COMPONENTS
- CAN WORK IN LIMITED/RESTRICTED ACCESS AREAS
- SMALL ,MOBILE AND STABLE INSTALLATION EQUIPMENT
- NO HARMFUL VIBRATIONS DURING INSTALLATION
- UNLIKE AUGER CAST OR CFA, HELICAL PILE CAPACITY IS VERIFIED/CONFIRMED DURING INSTALLATION
- SMALL CREWS AND EQUIPMENT OFFER A GREENER MORE ENVIRONMENTALLY FRIENDLY FOUNDATION SOLUTION
- LOW TRANSPORTATION COSTS FOR MATERIALS
- DESIGN, MATERIAL SUPPLY, INSTALLTION SERVICES
- COMPETITIVE PRICING
- TESTING EQUIPMENT AND SERVICES
- SAFE AND EFFICIENT FOUNDATION SYSTEM



Pipe Module on Helical Piling Spanning Canal

Remember: Helical Piling can be utilized anywhere concrete, wood or steel piling are being considered.

TerraTorque Inc.

TerraTorque is a manufacturing, construction and consulting company that provides quality products and professional services to all construction projects requiring deep foundations. We offer our customers high quality helical piling systems, as well as total project support and installation services.

Headquartered in Labuan, Malaysia, our location means that the products and services your project depends on, especially in the SE Asia region, are readily available when you need them, on time and on budget.

flexible solutions for your foundation project

The TerraTorque ADVANTAGE

Ease of Installation

When compared to other piling systems, TerraTorque's helical piling give you the advantage by reducing foundation costs, improving schedules and constructability. Helical piling are a "dry" piling method, eliminating the use of water for their construction. No water used for drilling or mixing concrete results in less jobsite disruption, cleaner installations and less mess and cleanup. The lightweight components mean easy handling in the field. Smaller crews and equipment can be used to support the installations.

Quality Products

Our products undergo rigorous inspection at every step of the manufacturing process. Our products are manufactured from high quality components and with strict adherence to all applicable codes and standards. Our quality control system, along with our ongoing third party testing program, means our customers— and their clients—can be assured the products we supply will meet or exceed their expectations.

Helical Piling Foundations



Helical piling for deep foundations have made great strides in recent years. This is a fast growing dynamic segment of the helical products industry. Advances in materials and equipment have resulted in helical piling with a wider range of capacities and applications. The professionals at **TerraTorque** take pride in participating in this continuous upgrading and improvement of helical piling products and installation techniques. We are well positioned to bring to your projects all of the advantages helical piling have to offer.

- **MANUFACTURING**
- **INSTALLATION SERVICES**
- **PROJECT MANAGEMENT AND SUPPORT**

Project Support

Our quality products and on time deliveries are important for the success of your project. In addition to our manufacturing capabilities, TerraTorque can provide you with the professional support you need when you need it to make sure your project requirements are met.



Experienced Personnel

Our roster of experienced designers, fabricators, construction professionals and skilled technicians will get your project up and running without delay. We know what it takes to put our experience and our products to work for you.

Installation and Testing Services

Our experienced personnel coupled with the proper installation and testing equipment will ensure your specific job requirements are met. Whether you require materials and technical support or complete turnkey installation services, **TerraTorque** has the products, personnel and equipment to get the job done for you.



Typical Helical Piling Applications:

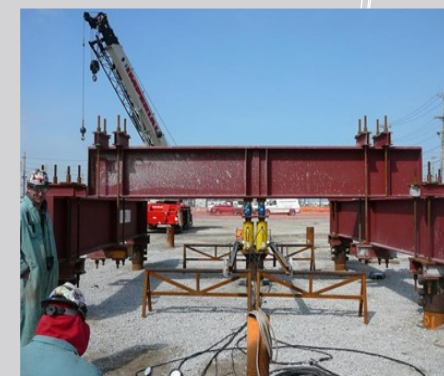
- Vessels
- Manifolds
- Sound walls
- Pipe bridges
- Board walks
- Equipment slabs
- Tower Foundations
- Building slab repairs
- Building foundations
- Street light foundations
- Shoring for excavations
- Pipe racks and modules
- Valves and scraper traps
- Tank foundations and ring walls



Helical Piling Welding Process



Large Vessel on Helical Piling



Helical Piling Test