

Helical Foundation Solutions Supplies (192) Helical Piles for a New Transmission Line with 220kv Capacity in Campo Lindo, Chile



Helical Foundation Solutions
37 Daryl Lane
St. Louis, MO
314-517-1933
<https://helicalfs.com/>

Project Name & Location:	Transmission Line - Campo Lindo, Chile
Project Date:	August 2022
Project Type:	Foundations for New Electric Transmission Towers
Helical Pile Installation Contractor:	EMIN SG
Structural Engineer:	ISOTRON
General Contractor:	AES GENER
Helical Piles Specifications:	2.875" O.D. Helical Piles with (2) & (3) Helix Configurations Depending on Soils at Each Tower Location
Soils & Embedment Depth:	Soil conditions consisted of sands with come silty sand and clay Variable embedment depth
Project Timeline:	(1.5) Months
Helical Pile Manufacturer:	Helical Anchors, Inc. - Minneapolis, MN

Key Benefits for Using Helical Piles on this Project Included:

- Quick installation and accessible movement between work stations/tower sites, which was a huge advantage to traditional concrete piles
- Easy quality control in the field via torque monitoring
- Easy adaptability to changes in the terrain due to permanent engineering support throughout the execution of the project
- Ability to work in poor quality soils where other types of foundations are not feasible options or are very expensive to implement



Helical Foundation Solutions
37 Daryl Lane
St. Louis, MO
314-517-1933
<https://helicalfs.com/>