

You're Invited

TRANSMISSION & SUBSTATION FOUNDATION DESIGN SEMINAR FALL 2020



Because of their many advantages, helical pile usage continues to grow in the construction of Power and Communication structures. This informative series consists of six classes on Transmission & Substation foundation design using helical piles. The first two classes cover an introduction to the pipe and steel bar pile products along with information about installation and testing. The next three classes cover the design concepts and design tools used to choose the correct piles and review methods used to connect structures to the helical piles. The final class reviews real world examples where helical piles were used to solve challenging foundation requirements. These classes are intended for individuals in the business of designing and specifying transmission and substation projects.

SESSION	WEBINAR TITLE AND DESCRIPTION	DATE/TIME
1	Introduction to Hubbell/Chance Helical Piles	October 20, 2020 2PM EDT
	An introduction to helical pile components including a review of the field applications where these products are used.	
2	Helical Piles: What, When, Where, Why, How	October 22, 2020 2PM EDT
	This class will begin with a review of the evolution of helical piles usage and will also cover their many benefits such as: <ul style="list-style-type: none"> • Low cost installation • Environmentally friendly • No spoils and no concrete • Piles can be loaded immediately 	
3	Helical Piles: Design Methods I	October 27, 2020 2PM EDT
	Design Methods I will cover geotechnical and structure pile design and methods used to determine pile capacity.	



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SESSION	WEBINAR TITLE AND DESCRIPTION	DATE/TIME
4	Helical Piles: Design Methods II	October 29, 2020 2PM EDT
	Design Methods II will cover tools used to determine helical pile layout patterns and methods to connect piles to structures.	
5	Helical Piles: Design Examples	November 3, 2020 2PM EST
	The presenter for this class will walk through a step by step design of helical piles for standard structure designs such as H-Frame, Self-Support, Monopole and a substation switch structures. Loads and soils for each case will be used based on typical examples.	
6	Helical Piles Case Histories	November 5, 2020 2PM EST
	This class will cover case histories of transmission and substation projects from Canada, United States and South America.	

All Webinars will be 45 - 60 minutes. There will not be recordings available after the presentations.

PDH Certificate will be available to download after each seminar session. The determination of acceptability of Hubbell Power Systems Professional Development Hours by state or government licensing bodies is the responsibility of the individual.

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