

Abstract for the TT Roadshow 2017, Vancouver

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Brief biography of Dr. Gerhard Lang (50 words)

Gerhard's background is in civil and mechanical engineering. After working for Herrenknecht as project manager he finished his PhD in Civil and a MBA in International Marketing and went to work for Amiantit. Since 2008 he is back with Herrenknecht as Business Development Manager for Utility Tunneling focusing on North America.

Title:

Pushing the limits of Slurry Microtunneling and Direct Pipe in North America

Slurry Microtunneling is a well-established technology with more than 20 years of successful installations in various soil conditions across the U.S. and Canada. Recent installations are showing that the initial hesitation for curved drives is fading and long distances as well as lake outfalls are being considered.

One of the younger technologies is Direct Pipe, which combines the benefits of HDD and Slurry Microtunneling and fits exactly into the area where HDD is not feasible or too risky to apply.

The presentation is going to show the benefits of the Direct Pipe technology for the owners, engineers and contractors and discusses the latest developments of Slurry Microtunneling for long distances, curved drives and sea /lake outfalls with wet recovery of the equipment like on the 'Keswick Outfall Project' in Ontario.

The first Direct Pipe installation in the US has been in August 2010. Since then 26 more have been carried out amongst 70 worldwide.

One of the latest ones was the 'Sabine Neches River Crossing', which represents a milestone for the technology in the U.S. not only because of the drilling distance of more than 3,400ft but also the capability to cross a levee with less risks for frac-outs compared to HDD and thus convinced the U.S. Corps of Engineers to favor it for future levee crossings.