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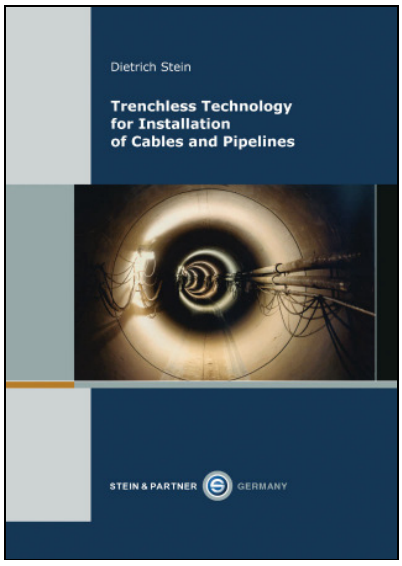
University-Professor Dr. Dietrich Stein

Trenchless Technology for Installation of Cables and Pipelines



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Trenchless installation of cables and pipelines has achieved a very high level of technology due to the constant further development of machine and method technology and this makes possible the installation of almost all types of supply and disposal lines (utilities) independent of their nominal size or their external diameter or the geological and hydrogeological limiting conditions in an ecologically friendly and enclosed method of underground construction.

This book deals with the wide range of trenchless techniques, which are comprehensively described for the first time in this form. In the presentation of each individual method, besides the description of methods of operation and sequence as well as equipment, value was set especially on the areas of application and limitations of use according to the latest knowledge.

The aim of this book is to provide those persons and companies involved with the planning and execution of the trenchless method of line installations with well founded and up-to date information.

In addition, the comprehensive and detailed discussions of the construction methods and all associated fields permit an optimal economical and technical choice of the techniques for a particular application to be made with reference to the numerous local and system-dependent limiting conditions.

Because of their special features, which cause other methods to be applied, the fluid flushing directional drilling method (HDD) has been dealt with separately in a 2nd volume.

This English edition has been revised by Dr. Ray Sterling, Contractors' Educational Trust Fund Professor of Civil Engineering and Director of the Trenchless Technology Center (TTC) at Louisiana Tech University.

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