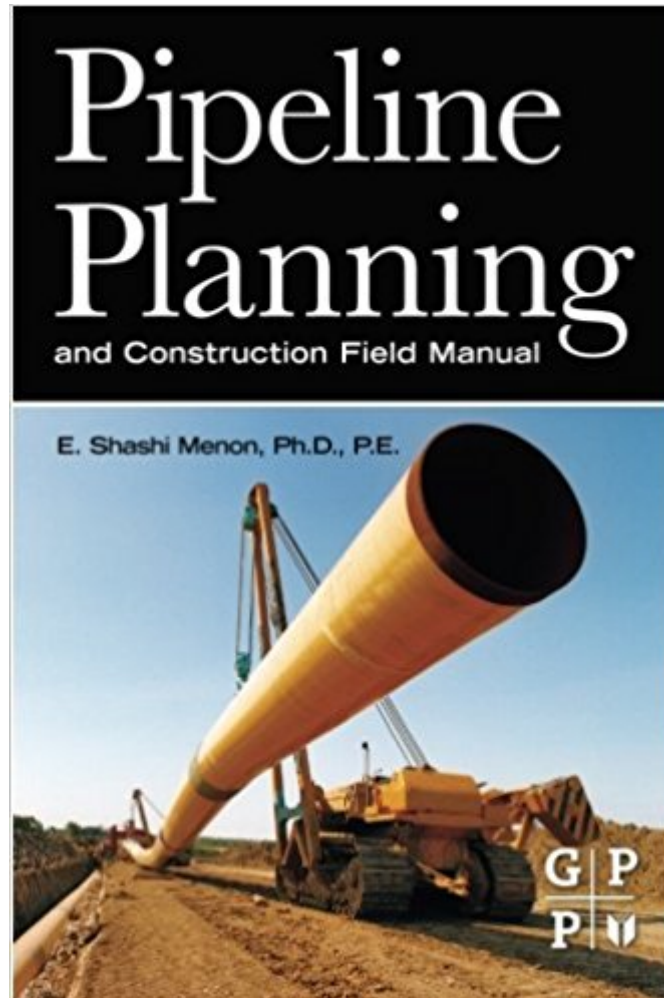


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# Pipeline Planning And Construction Field Manual



## Synopsis

Pipeline Planning and Construction Field Manual aims to guide engineers and technicians in the processes of planning, designing, and construction of a pipeline system, as well as to provide the necessary tools for cost estimations, specifications, and field maintenance. The text includes understandable pipeline schematics, tables, and DIY checklists. This source is a collaborative work of a team of experts with over 180 years of combined experience throughout the United States and other countries in pipeline planning and construction. Comprised of 21 chapters, the book walks readers through the steps of pipeline construction and management. The comprehensive guide that this source provides enables engineers and technicians to manage routine auditing of technical work output relative to technical input and established expectations and standards, and to assess and estimate the work, including design integrity and product requirements, from its research to completion. Design, piping, civil, mechanical, petroleum, chemical, project production and project reservoir engineers, including novices and students, will find this book invaluable for their engineering practices. Back-of-the envelope calculations  
Checklists for maintenance operations  
Checklists for environmental compliance  
Simulations, modeling tools and equipment design  
Guide for pump and pumping station placement

## Book Information

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## Customer Reviews

"This general purpose guide for engineers provides detailed practical information on the design and construction of pipelines and attendant facilities. Authored by a team of experts with extensive

pipeline experience, the volume presents a comprehensive look at design criteria, planning considerations, and testing methodologies for many common tasks involved in pipeline construction. Topics discussed include route selection, environmental impact and regulations, right-of-way concerns, materials options, pipe strength, hydraulic analysis, pump and valve stations, leak detection, hydrostatic testing, and operations and maintenance protocols. Technical drawings, tables, and relevant formulas and equations are provided throughout."--Reference and Research Book News

E. Shashi Menon, Vice President of SYSTEK Technologies, Inc is a Registered Professional Engineer based in USA for the last 40 years with Bachelors and Masters degrees in Mechanical Engineering. He has extensive experience in Oil and Gas Pipeline Design and construction in USA and South America, having worked for leading US companies. He is the author of several popular technical publications on the subject. He has also coauthored over a dozen software programs in Liquid and Gas Pipeline Hydraulics used by engineers in the industry since 1992. He lives in Lake Havasu City, Arizona

This book is one of the best books in the subject of Pipeline. I have been in pipeline construction field for over 19 years, still I had less than complete understanding of many aspects of pipeline technology. But this book cleared away all my doubts & enhanced my understanding. The book contains subject in depth and is written in a seamless, step by step gradually progressing, very lucid, very easy to understand with a lot of worked example. One major advantage of this book is it contains both CGS & SI system material. In my opinion this is the best book out of many pipeline books I have read. It is an invaluable, handy, supporting companion to any pipeline professional.

I just started project management in the gas pipe line field and this book has been a great resource to get me on the ground running it is full of excellent types of applications including pigging technology as Hydrostatics testing and various aspects of design.

I have loads of pipeline engineering books with much more detail, but I bought the Kindle version of this book so I would have it on my laptop. Thus I have a basic manual with lots of useful data on hand when I'm offshore or in the field. On that basis, a recommended buy for the practicing pipeline engineer, but not a be-all-and-end-all for the pipeline engineering student or office engineer.

This is the best resource for comprehensive information about pipeline design, routing and construction techniques available today! I Recommend it for inspectors, routing coordinators, project managers and pipeline surveyors.

Great book. Better than the Pipeline Rules of Thumb for pipeline operators. The author's other book, Piping Calculations Manual, is a must have for any pipeliner. Both of his books provide great examples and make mastering the concepts and equations simple.

Some info a little dated but still a good read

Excellent pipeline resource

Very useful information.

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