



Offshore Pipelines: Design, Installation, and Maintenance

By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin

Download now

Read Online ➔

Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin

The development of oil and gas fields offshore requires specialized pipeline equipment. The structures must be strong enough to withstand the harshest environments, and ensure that production is not interrupted and remains economically feasible. However, recent events in the Gulf of Mexico have placed a new importance on maintenance and reliability. A new section; Condition Based Maintenance (CBM), introduces the subject of maintenance, written by Tian Ran Lin, Queensland University of Technology, and Yong Sun, CSIRO Earth Science and Resource Engineering.

Two of the main objectives of CBM is maximizing reliability while preventing major or minor equipment malfunction and minimizing maintenance costs. In this new section, the authors deal with the multi-objective condition based maintenance optimization problem. CBM provides two major advantages: (1) an efficient approach for weighting maintenance objectives, and (2) a method for specifying physical methods for achieving those objectives. Maintenance cost and reliability objectives are calculated based on proportional hazards model and a control limit CBM replacement policy.

Written primarily for engineers and management personnel working on offshore and deepwater oil and gas pipelines, this book covers the fundamentals needed to design, install, and commission pipeline projects. This new section along with a thorough update of the existing chapters represents a 30% increase in information over the previous edition.

- Covers offshore maintenance and maintenance support system
- Provides the fundamentals needed to design, install, and commission pipeline project
- Methods and tools to deliver cost effective maintenance cost and system reliability
- New section on Condition-Based Maintenance written by Tian Ran Lin, Queensland University of Technology, and Yong Sun, CSIRO Earth Science and Resource Engineering (yong.sun@csiro.au)

 [**Download** Offshore Pipelines: Design, Installation, and Main ...pdf](#)

 [**Read Online** Offshore Pipelines: Design, Installation, and Ma ...pdf](#)

Offshore Pipelines: Design, Installation, and Maintenance

By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin

Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin

The development of oil and gas fields offshore requires specialized pipeline equipment. The structures must be strong enough to withstand the harshest environments, and ensure that production is not interrupted and remains economically feasible. However, recent events in the Gulf of Mexico have placed a new importance on maintenance and reliability. A new section; Condition Based Maintenance (CBM), introduces the subject of maintenance, written by Tian Ran Lin, Queensland University of Technology, and Yong Sun, CSIRO Earth Science and Resource Engineering.

Two of the main objectives of CBM is maximizing reliability while preventing major or minor equipment malfunction and minimizing maintenance costs. In this new section, the authors deal with the multi-objective condition based maintenance optimization problem. CBM provides two major advantages: (1) an efficient approach for weighting maintenance objectives, and (2) a method for specifying physical methods for achieving those objectives. Maintenance cost and reliability objectives are calculated based on proportional hazards model and a control limit CBM replacement policy.

Written primarily for engineers and management personnel working on offshore and deepwater oil and gas pipelines, this book covers the fundamentals needed to design, Install, and commission pipeline projects. This new section along with a thorough update of the existing chapters represents a 30% increase in information over the previous edition.

- Covers offshore maintenance and maintenance support system
- Provides the fundamentals needed to design, Install, and commission pipeline project
- Methods and tools to deliver cost effective maintenance cost and system reliability
- New section on Condition-Based Maintenance written by Tian Ran Lin, Queensland University of Technology, and Yong Sun, CSIRO Earth Science and Resource Engineering (yong.sun@csiro.au)

Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin Bibliography

- Sales Rank: #2347045 in eBooks
- Published on: 2013-07-24
- Released on: 2013-07-24
- Format: Kindle eBook

 [Download Offshore Pipelines: Design, Installation, and Main ...pdf](#)

 [Read Online Offshore Pipelines: Design, Installation, and Ma ...pdf](#)

Editorial Review

Users Review

From reader reviews:

Anthony Robin:

The book Offshore Pipelines: Design, Installation, and Maintenance can give more knowledge and also the precise product information about everything you want. So just why must we leave a good thing like a book Offshore Pipelines: Design, Installation, and Maintenance? Some of you have a different opinion about guide. But one aim that book can give many information for us. It is absolutely right. Right now, try to closer with your book. Knowledge or info that you take for that, you may give for each other; you can share all of these. Book Offshore Pipelines: Design, Installation, and Maintenance has simple shape however, you know: it has great and large function for you. You can search the enormous world by start and read a guide. So it is very wonderful.

Shannon Grant:

This Offshore Pipelines: Design, Installation, and Maintenance book is just not ordinary book, you have after that it the world is in your hands. The benefit you receive by reading this book is definitely information inside this e-book incredible fresh, you will get information which is getting deeper you read a lot of information you will get. That Offshore Pipelines: Design, Installation, and Maintenance without we understand teach the one who studying it become critical in pondering and analyzing. Don't possibly be worry Offshore Pipelines: Design, Installation, and Maintenance can bring when you are and not make your bag space or bookshelves' become full because you can have it inside your lovely laptop even cell phone. This Offshore Pipelines: Design, Installation, and Maintenance having great arrangement in word in addition to layout, so you will not feel uninterested in reading.

Janet Baltimore:

Often the book Offshore Pipelines: Design, Installation, and Maintenance has a lot associated with on it. So when you check out this book you can get a lot of advantage. The book was written by the very famous author. Tom makes some research ahead of write this book. This book very easy to read you can get the point easily after reading this book.

Harold Fleming:

As a university student exactly feel bored to be able to reading. If their teacher questioned them to go to the library or make summary for some guide, they are complained. Just little students that has reading's heart or real their pastime. They just do what the teacher want, like asked to go to the library. They go to at this time

there but nothing reading really. Any students feel that reading is not important, boring along with can't see colorful photos on there. Yeah, it is to get complicated. Book is very important for yourself. As we know that on this period of time, many ways to get whatever we would like. Likewise word says, ways to reach Chinese's country. Therefore , this Offshore Pipelines: Design, Installation, and Maintenance can make you feel more interested to read.

Download and Read Online Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin #067CTD43ILG

Read Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin for online ebook

Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin books to read online.

Online Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin ebook PDF download

Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin Doc

Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin Mobipocket

Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin EPub

067CTD43ILG: Offshore Pipelines: Design, Installation, and Maintenance By Boyun Guo, Ph. D. Shanhong Song, PhD Ali Ghalambor, PhD Tian Ran Lin