



# Offshore Structures: Design, Construction and Maintenance

By Mohamed A. El-Reedy

Download now

Read Online 

**Offshore Structures: Design, Construction and Maintenance** By Mohamed A. El-Reedy

With most of the easy gas and oil reserves discovered and prices rebounding, companies are now drilling far offshore in extreme weather condition environments. As deepwater wells are drilled to greater depths, engineers and designers are confronted with new problems such as water depth, weather conditions, ocean currents, equipment reliability, and well accessibility. *Offshore Structure Design, Construction and Maintenance* covers all types of offshore structures and platforms employed worldwide.

The ultimate reference for selecting, operating and maintaining offshore structures, this book provides a road map for designing structures which will stand up even in the harshest environments. The selection of the proper type of offshore structure is discussed from a technical and economic point of view. The design procedure for the fixed offshore structure will be presented and how to review the design to reach the optimum solution. Nonlinear analysis (Push over) analysis will be presented as a new technique to design and assess the existing structure. Pile design and tubular joint with the effect of fatigue loading will be presented also from a theoretical and a practical point of view.

With this book in hand, engineers receive the most up-to-date methods for performing a structural life cycle analysis; implement maintenance plans for topsides and jackets, using non destructive testing. Under water inspection is discussed for hundreds of platforms in detail. Advanced repair methodology for scour, marine growth and damaged or deteriorating members are discussed. Risk based under water inspection techniques are covered from a practical pint of view. In addition, the book will be supported by an online modeling and simulation program with will allow designers to save time and money by verifying assumptions online.

- One stop guide to offshore structure design and analysis
- Easy to understand methods for structural life cycle analysis
- Expert advice for designing offshore platforms for all types of environments
- Save time and money by verifying designs online

 [Download Offshore Structures: Design, Construction and Main ...pdf](#)

 [Read Online Offshore Structures: Design, Construction and Ma ...pdf](#)

# Offshore Structures: Design, Construction and Maintenance

By Mohamed A. El-Reedy

## Offshore Structures: Design, Construction and Maintenance By Mohamed A. El-Reedy

With most of the easy gas and oil reserves discovered and prices rebounding, companies are now drilling far offshore in extreme weather condition environments. As deepwater wells are drilled to greater depths, engineers and designers are confronted with new problems such as water depth, weather conditions, ocean currents, equipment reliability, and well accessibility. *Offshore Structure Design, Construction and Maintenance* covers all types of offshore structures and platforms employed worldwide.

The ultimate reference for selecting, operating and maintaining offshore structures, this book provides a road map for designing structures which will stand up even in the harshest environments. The selection of the proper type of offshore structure is discussed from a technical and economic point of view. The design procedure for the fixed offshore structure will be presented and how to review the design to reach the optimum solution. Nonlinear analysis (Push over) analysis will be presented as a new technique to design and assess the existing structure. Pile design and tubular joint with the effect of fatigue loading will be presented also from a theoretical and a practical point of view.

With this book in hand, engineers receive the most up-to-date methods for performing a structural life cycle analysis; implement maintenance plans for topsides and jackets, using non destructive testing. Under water inspection is discussed for hundreds of platforms in detail. Advanced repair methodology for scour, marine growth and damaged or deteriorating members are discussed. Risk based under water inspection techniques are covered from a practical pint of view. In addition, the book will be supported by an online modeling and simulation program with will allow designers to save time and money by verifying assumptions online.

- One stop guide to offshore structure design and analysis
- Easy to understand methods for structural life cycle analysis
- Expert advice for designing offshore platforms for all types of environments
- Save time and money by verifying designs online

## Offshore Structures: Design, Construction and Maintenance By Mohamed A. El-Reedy Bibliography

- Rank: #1976506 in eBooks
- Published on: 2012-08-21
- Released on: 2012-08-21
- Format: Kindle eBook

 [Download Offshore Structures: Design, Construction and Main ...pdf](#)

 [Read Online Offshore Structures: Design, Construction and Ma ...pdf](#)



## **Editorial Review**

### **Users Review**

#### **From reader reviews:**

##### **Doris Williams:**

This Offshore Structures: Design, Construction and Maintenance book is not ordinary book, you have after that it the world is in your hands. The benefit you obtain by reading this book is actually information inside this publication incredible fresh, you will get details which is getting deeper anyone read a lot of information you will get. This particular Offshore Structures: Design, Construction and Maintenance without we recognize teach the one who looking at it become critical in considering and analyzing. Don't become worry Offshore Structures: Design, Construction and Maintenance can bring whenever you are and not make your tote space or bookshelves' come to be full because you can have it within your lovely laptop even cell phone. This Offshore Structures: Design, Construction and Maintenance having fine arrangement in word along with layout, so you will not really feel uninterested in reading.

##### **Allen Reilley:**

As people who live in often the modest era should be upgrade about what going on or data even knowledge to make all of them keep up with the era which can be always change and advance. Some of you maybe will update themselves by reading books. It is a good choice in your case but the problems coming to you actually is you don't know which you should start with. This Offshore Structures: Design, Construction and Maintenance is our recommendation so you keep up with the world. Why, because book serves what you want and need in this era.

##### **Mary Alejandro:**

Is it you who having spare time after that spend it whole day by means of watching television programs or just lying down on the bed? Do you need something new? This Offshore Structures: Design, Construction and Maintenance can be the reply, oh how comes? It's a book you know. You are so out of date, spending your extra time by reading in this brand-new era is common not a nerd activity. So what these ebooks have than the others?

##### **Katherine Holt:**

What is your hobby? Have you heard that will question when you got college students? We believe that that question was given by teacher for their students. Many kinds of hobby, Everyone has different hobby. So you know that little person just like reading or as studying become their hobby. You need to know that reading is very important as well as book as to be the issue. Book is important thing to increase you

knowledge, except your teacher or lecturer. You discover good news or update about something by book. Amount types of books that can you choose to use be your object. One of them is Offshore Structures: Design, Construction and Maintenance.

**Download and Read Online Offshore Structures: Design,  
Construction and Maintenance By Mohamed A. El-Reedy  
#HXWTZO18UPE**

## **Read Offshore Structures: Design, Construction and Maintenance By Mohamed A. El-Reedy for online ebook**

Offshore Structures: Design, Construction and Maintenance By Mohamed A. El-Reedy 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 Structures: Design, Construction and Maintenance By Mohamed A. El-Reedy books to read online.

### **Online Offshore Structures: Design, Construction and Maintenance By Mohamed A. El-Reedy ebook PDF download**

#### **Offshore Structures: Design, Construction and Maintenance By Mohamed A. El-Reedy Doc**

**Offshore Structures: Design, Construction and Maintenance By Mohamed A. El-Reedy Mobipocket**

**Offshore Structures: Design, Construction and Maintenance By Mohamed A. El-Reedy EPub**

**HXWTZO18UPE: Offshore Structures: Design, Construction and Maintenance By Mohamed A. El-Reedy**