

Design And Construction Of Ports And Marine Structures

This document provides the comprehensive list of Chinese Industry Standards - Category: JT; JT/T; JTT.

This comprehensive book covers all major aspects of the design and maintenance of port facilities, including port planning, design loads for today's larger vessel size, seismic design guidelines, and breakwater design. New material addresses environmental concerns, the latest developments on inter-modal hubs and transfer points, and the latest information on port security and procedures being implemented around the world.

Over the past twenty years there has been considerable improvement and new information in the design of port and berth structures. This handbook reflects the latest progress and developments in navigation safety, port planning and site selection, layout of container, oil and gas terminals, cargo handling, berth design and construction, fender and mooring principles. It presents guidelines and recommendations for the main items and assumptions in the layout, design and construction of modern port structures, and the forces and loadings acting on them. The book provides an evaluation of different designs and construction methods for port and berth structures, and recommendations given by the different international harbour standards and recommendations. Practising harbour and port engineers and students will find the handbook an invaluable source of information.

Written by a collection of eminent figures in the field, this new edition continues to look at the rational planning for port facilities requirements (berths, storage and cargo handling equipment), organisations, management and operations with relation to planning and design of ports and marine terminals.

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This book focuses on design technologies and practical engineering applications in connection with cruise ports and terminals. After a brief introduction to cruise ships and global cruise ports, it addresses the location, structure and layout of cruise terminals, the technologies involved, cruise terminal buildings and supporting facilities. The book also explores practical engineering cases, including projects that the authors have worked on, such as the Shenzhen Prince Bay and Shanghai Wusongkou International Cruise Terminal projects. Systematically discussing the design and engineering aspects of domestic and international cruise terminals, the book offers a practical reference guide for engineers, researchers, practitioners and policymakers in relevant fields.

Klappentext: The management, operation, design and building of maritime works and ports is a field which has recently experienced rapid change and it is essential for industry to incorporate the latest technologies into the best designed systems in order to remain competitive. Reflecting these advances, this book features the proceedings of the First International Conference on Maritime Engineering and Ports which took place in September 1998. Held appropriately in the historic port of Genoa, Italy this meeting provided a forum for the discussion and interchange of information between managers, operators, designers and the scientific and academic communities. The papers included are divided under the following topics: Port Management; Port Infrastructure - Design and Construction; Port Infrastructure - Maintenance; Port Operation; Information Technology; Environment and Ports; Ship Operation; The Maritime Market and Ports Strategies; and Port Planning.

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