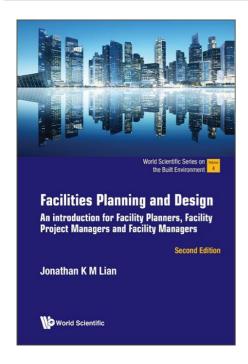




Facilities Planning and Design, 2nd Edition

An introduction for Facility Planners, Facility Project Managers and Facility Managers



Jonathan K M Lian (*National University of Singapore*, *Singapore*)

ISBN 9789811266553 Extent: 248pp, PB Pub Date: 2023 Price: US\$58

Subject: Architecture / Building Management

ABOUT THE BOOK

This book focuses on the ten essentials of facilities planning and design. It covers topics such as strategic planning, space standards, architectural programming, site selection, master planning, environmental planning, capital improvement planning, workplace planning and design, and space management. Examples will be drawn from the planning and design of airports and universities which are large organisations with extensive campuses and are asset heavy in terms of buildings.

This second edition has been extensively updated with current and new examples, case studies and references.

By learning about the planning and design processes as it relates to facilities, students and facility professionals will be able to align facilities planning and design with the organisation's strategic priorities, manage design consultants by understanding the planning and design process, manage the planning and design of spaces at different scales, and manage the use of existing space effectively.

The book is designed such that its chapters may be read either sequentially or as individual standalone references or resources for specific aspects of facility planning, management and design.

READERSHIP

Students seeking careers in complex facilities; Facility planners and facility project managers new to being part of an organisation with large facilities; Facility professionals well versed with operations & maintenance; and Construction project professionals and consultants that wish to understand or take on planning and designing from a facility management perspective.

CONTENTS

• Ten Essentials of Facilities Planning and Design:

- Definitions
- The Importance of Facilities Planning and Design
- Ten Essentials That Facility Managers Need to Know About Facilities Planning and Design
- Essential #1a Understanding the Phases in the Life of a Facility
- Essential #1b Knowing the Parties Involved in the Development of a Building
- Programming and Site Selection

• Strategic Planning and the Facility Master Plan:

- What is Strategic Planning?
- The Strategic Planning Process
- Essential #2a How the Organisation's Strategic Plan Drives the Need for Facilities
- Essential #2b Why the Facility Master Plan Should Be Aligned with the Organisation's Strategic Plan
- Dealing with Uncertainty in Facility Master Planning

• The Owner's Role in Planning and Design:

- Essential #3a Responsibilities of the OwnerRep During Planning and Design
- The Strategic Brief
- Essential #3b Managing the Selection Process for Design Consultants
- Evaluation Criteria and Weightage for Design Consultants
- Case Study: Singapore Building Construction Authority (BCA) Quality Fee Method (QFM) Framework

• Space Standards and Universal Design:

- Essential #4a Space and Humans Recognising How Occupants and Their Activities Impact the Size and Design of a Space
- People with Disabilities
- Essential #4b Universal Design Making Spaces Accessible to All
- Essential #4c Area Definitions and Measurement Methods
- Essential #4d Space Standards

Programming and Site Selection:

- What is "Programming of Buildings"?
- Essential #5a Learning the Process for Programming Building Spaces
- Programmatic Concepts
- Essential #5b The Site Selection Process
- Site Evaluation Criteria
- Examples of Site Selection Processes and Site Selection Criteria

Facility Master Planning:

- Urban Planning
- The Facility Master Plan Planning on a Campus Level
- Essential #6 Learning about the Master Planning Process
- Case Study: Airport Master Plan
- Case Study: University Master Plan

• Environmental Planning:

- Essential #7a Understanding the Environmental Impacts of Development
- Essential #7b Learning the Key Aspects of the Environmental Impact Assessment Process
- Stakeholders
- Case Study: Hong Kong International Airport Three-Runway System

Capital Improvement Planning:

- Capital Improvement Planning
- Essential #8 Learning the Key Aspects of the Capital Improvement Planning Process and How to put Together a Capital Improvement Plan for a Large Facility
- CIP Process Step 1 Creating a List of Potential Projects
- CIP Process Step 2 Gathering Information for Each Project
- CIP Process Step 3 Prioritising the Projects
- CIP Process Step 4 Finalising the List of Projects
- Case Study: Singapore Government Capital Budget and Projects
- Keeping Stakeholders Informed about Capital Projects

• Workplace Planning and Design:

- Key Trends That are Driving Change in Organisations and the Workplace
- Changes in Workspaces, Meeting Spaces, Support Spaces and Technology
- Essential #9 Considerations That Must be Taken in the Planning and Design of Offices
- Challenges in Implementing a New Office Concept
- Coworking Spaces
- Hybrid Working

• Space Management:

- Importance of Managing Space in a Facility
- Gathering Information About the Space
- Essential #10a Creating or Updating the Space Management Policy
- Essential #10b Using Technology for Space Management
- Example: Space Management at a Large University Campus

For orders and enquiries, please contact us:



FEELBOOKS PVT. LTD.

www.feelbooks.in

DELHI 4381/4 Ansari Road, Daryaganj, New Delhi 110002 **Tel:** +91-11-47472630

Pushpendra Kumar Mobile: +91 9015043442 Email: orders@feelbooks.in

BENGALURU C-22, Brigade MM, KR Road, Jayanagar 7th Block, Bengaluru 560070 Tel: +91-80-26762129

Shekar Reddy Mobile: +91 9945234476 Email: bangalore@feelbooks.in

MUMBAI Alok Dube Mobile: +91 9833435804 Email: adube@feelbooks.in

CHENNAI G Srinivasan Mobile: +91 9003047502 Email: gsrinivasan@feelbooks.in

KOLKATA Dhrubajyoti Bhattacharjee Mobile: +91 9836160013 Email: dbhattacharjee@feelbooks.in

HYDERABAD Kundan Kumar.S **Mobile:** +91 8106726072 **Email:** kundan@feelbooks.in