

PREFACE

This book focuses on spearheading the integration of maintainability right from the design stage. To enable such integration, improving the knowledge of maintainability and setting maintainability benchmarks are two key issues set out. These objectives are fulfilled with the development of a comprehensive defect library, a material manual and a maintainability scoring system. These tools serve to define acceptable standards in design and construction practices which thus enhance long-term maintainability of facilities.

The book aims to improve the standard and quality of design, construction and maintenance practices to produce efficient facilities that require minimum maintenance. The text covers technical issues related to maintainability of major components of a facility for wet area, façade, basement, roof, M&E in Chapters 2 to 6. The implications and selection of materials for high maintainability is discussed in Chapter 7. Chapter 8 discusses the common diagnostic techniques and Chapter 9 maintainability grading system.

The target readers are practitioners and students in the related professions including architecture, engineering, building, real estate, construction, project management, facilities management, quantity and building surveying.

This book is best read with its supplementary website (<http://www.hpbc.bdg.nus.edu.sg>). The website requires a 'username' and 'password' to log in. As the owner of this book, you will be given access to the

website. Please email me (bdgchewm@nus.edu.sg) stating the special code for this book at the bottom of this page. You will be informed once your exclusive account is activated. Please note that each special code can be activated only once.

Thank you.

Chew Yit Lin, Michael
Professor, Department of Building
School of Design and Environment
National University of Singapore