



The construction industry in Hong Kong generates a huge quantity of C&D waste. In 2000, as much as 37,690 tones per day of C&D waste was generated of which 30,210 tones per day (80%) was transported to public filling areas for reclamation use, and 7,480 tones per day (20%) was disposed of at landfills. Hong Kong will soon be running out of both landfill spaces and public filling areas.

This guidebook, which is the result of research carried out by the Department of Civil and Structural Engineering of the Hong Kong Polytechnic University, presents ways to reduce the generation of C&D waste at the design stage. It includes design measures and concepts to delay the generation of demolition waste of existing buildings, to optimize the building life of new construction and also to minimize waste arising from construction. It considers also material and construction method selection.

This guidebook provides a global concept to apply waste minimization in the design and shows examples and case studies in Hong Kong as well as overseas. All parties involved in the building process such as clients, designers, architects, engineers, contractors and developers should consider waste minimization at an early stage of projects.

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