

建立著重環保的建造業

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CIRC Recommendations on Environmental Performance (1) 上業檢討委員會有關環保表現的建議(1

建造業檢討委員會有關環保表現的建議(1)

- Founded on concept of sustainable construction 建基於可持續的建造模式
 - Minimize the negative impact of construction activities 盡量減低施工程序對環境的不利影響
 - Maximize the positive impacts
 充分發揮設計和建築的效益
 - Balance environmental, economic and social aspects

在環保、經濟和社會效益三方面取得平衡



建造業檢討委員會有關環保表現的建議 (2)

- Policy framework for sustainable construction 合乎可持續發展原則的政策架構
- Life cycle costing 壽命周期成本
- Energy efficiency 能源效益
- Waste reduction 減少拆建物料
- Environmental assessment schemes
 環境評估計劃







Non-inert 非惰性



Construction Waste Generation

建築廢物的產生數量





Working Group on Construction Waste 建築廢物工作小組

- Promote good practices in waste management 推動廢物管理的良好作業模式
- Promote use of recycled aggregates 推廣循環再造碎石料的使用
- Monitor implementation of the construction waste disposal charging scheme 監察建築廢物處置收費計劃的實施
- Identify opportunities for export of fill materials to the mainland
 - 尋求向內地輸出公眾填料的機會
- Strengthen training on waste reduction 加強建造業從業員在減少廢物的培訓

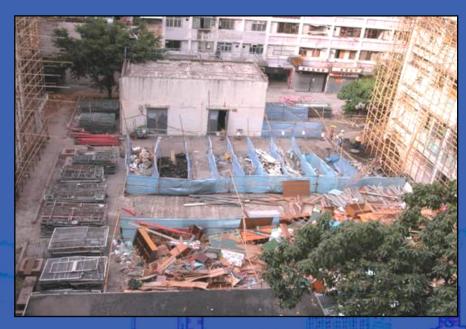


Waste Management in Public Works Projects 公共工程項目的廢物管理

- Waste management plan 廢物管理計劃
- Trip ticket system 運載記錄制度
- C&D Material Management Plan 拆建物料管理計劃
- Results 成果
 - Building projects 40% waste reduction
 建築項目 減少廢物 40%
 - Civil engineering projects 46% reduction in surplus excavated materials
 - 土木工程項目 減少剩餘的物料 46%

Selective Demolition

選擇性拆卸方法



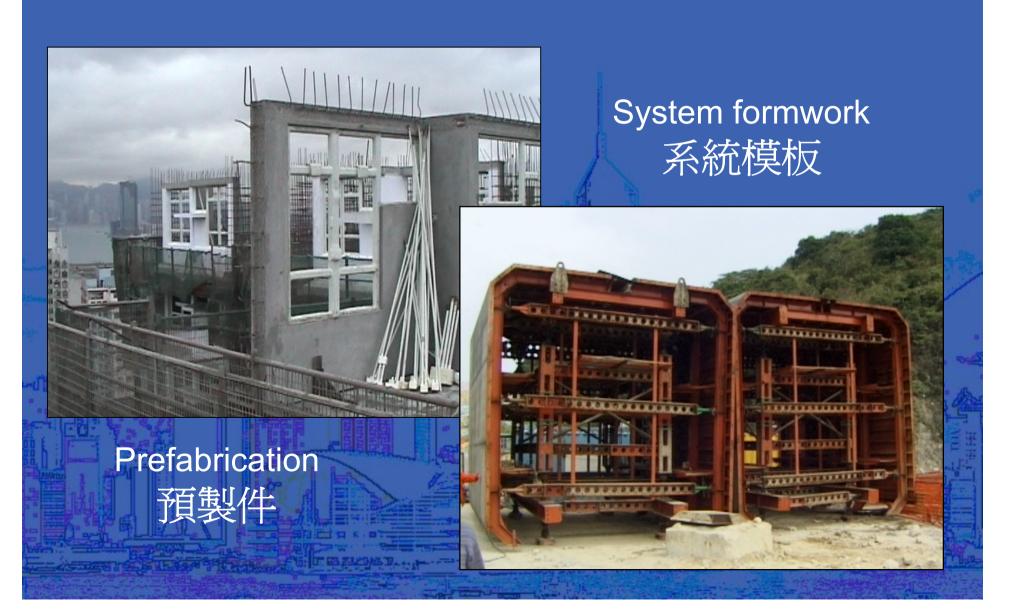
Storage and sorting site 儲存及廢物分類工地



Reinforcement and Concrete debris for recycling

可供循環再用的鋼筋及混凝土碎片

Prefabrication and System Formwork 預製件及系統模板





- Pilot C&D material recycling facility in Tuen Mun Area 38 屯門第38區試驗拆建物料再造設施
- Design output capacity of 1,200 tonnes/day 設計產量每日1 200 公噸
- Use of recycled aggregates
 再造碎石的應用
 public works projects 公共工程項目
 research & development 研究及開發



- Heighten the awareness on waste reduction 提高員工的減廢意識
- Better equip the workforce with necessary knowledge and skills

更好裝備員工所需的知識和技術

Inculcate a new mindset across the industry

培養建造業新的思維



Life Cycle Costing and Energy Efficiency 壽命周期成本及能源效益

- Hong Kong Housing Authority
 香港房屋委員
 - Life cycle costing (LCC) and life cycle analysis (LCA) of public housing blocks 公共房屋生命周期成本和生命周期評估研究
- Electrical and Mechanical Services Department 機電工程署
 - LCC/LCA for commercial buildings 商業樓字生命周期成本和生命周期評估研究
 - Life cycle energy efficiency 牛命周期能源效益

Environmental Assessment Schemes 環境評估計劃

- Objectives 目的
 - To assess environmental performance 評估樓字環保表現
 - To encourage development of environmentally friendly buildings
 鼓勵發展環保樓宇
- Assessment schemes 環境評估計劃
 - Hong Kong Building Environmental Assessment Method (HK-BEAM) 香港建築環境評審法
 - Comprehensive Environmental Performance Assessment Scheme (CEPAS)
 全面評估樓字環境表現計劃



• Disseminating good practices in waste management through PCICB website 透過臨時建會網站發放廢物管理的良好作業模式

- New ways for using public fill 公共填料的新用途
 - Quarry restoration 修復石礦場– Contouring of new developments
 - 在新發展區塑造地形輪廓