

Electronic Submission Hub (ESH)

電子資料呈交及處理系統

Buildings Department

屋宇署

Buildings Department's Services (屋宇署的服務)

- Controls private building developments under the Buildings Ordinance (BO) and its allied legislations
根據《建築物條例》及其附屬法例的規定，
規管私營建築發展工程
- Registered building professionals to submit plans for BD's approval
註冊建築專業人士呈交圖則供屋宇署審批



Centralised Processing System for Building Plans (CPS) (中央處理建築圖則的系統 (中央處理制度))

- Submissions are processed through the Centralised Processing System

實施中央處理建築圖則的制度

- Ensure all relevant government departments and organisations are consulted

確保徵詢所有相關政府部門及機構的意見

- Comments are collated by BD within time limits

屋宇署可在限期內整理意見



What is Electronic Submission Hub

甚麼是電子資料呈交及處理系統「電子系統」

- Digital centralised platform for receiving and processing building plans and documents electronically

電子系統為一數碼樞紐平台，以電子方式接收及處理建築圖則及相關文件





Electronic Submission Hub – Aim (電子系統:目的)

- Enhance communication & collaboration among CPS participants and between applicants and CPS participants

加強中央處理制度成員之間，以至成員與業界之間的溝通和協作

- Tracking of application progress via the internet
透過互聯網追蹤申請進度

- Align with Hong Kong Smart City Blueprint and promote Building Information Model (BIM)

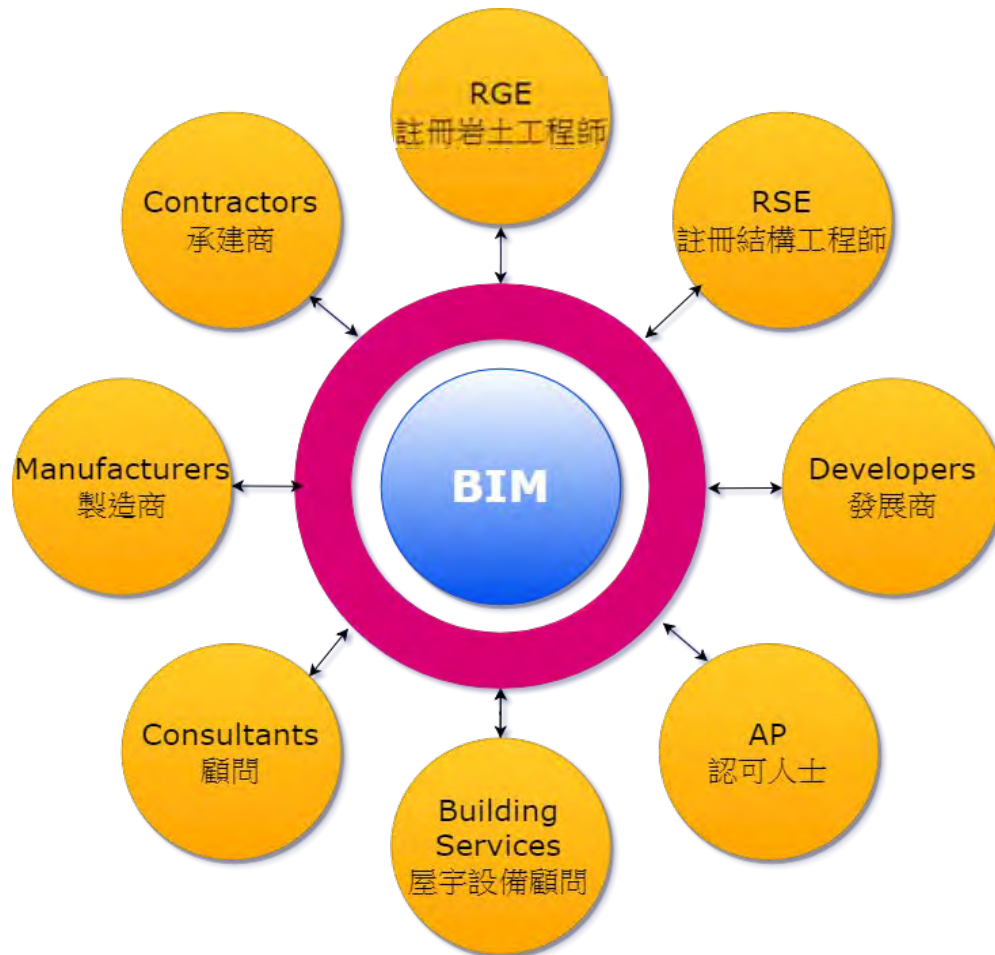
配合香港智慧成市藍圖及推廣建築信息模型科技的應用

Benefits of Using BIM

採用建築信息模擬技術的效益

BIM Workflow

建築信息模擬工作流程



- Central model
單一中心模型
- Live updates
實時更新
- Better coordination and collaboration
更好的協調和合作
- Shared risk
分擔風險



Benefits of Using BIM

採用建築信息模擬技術的效益

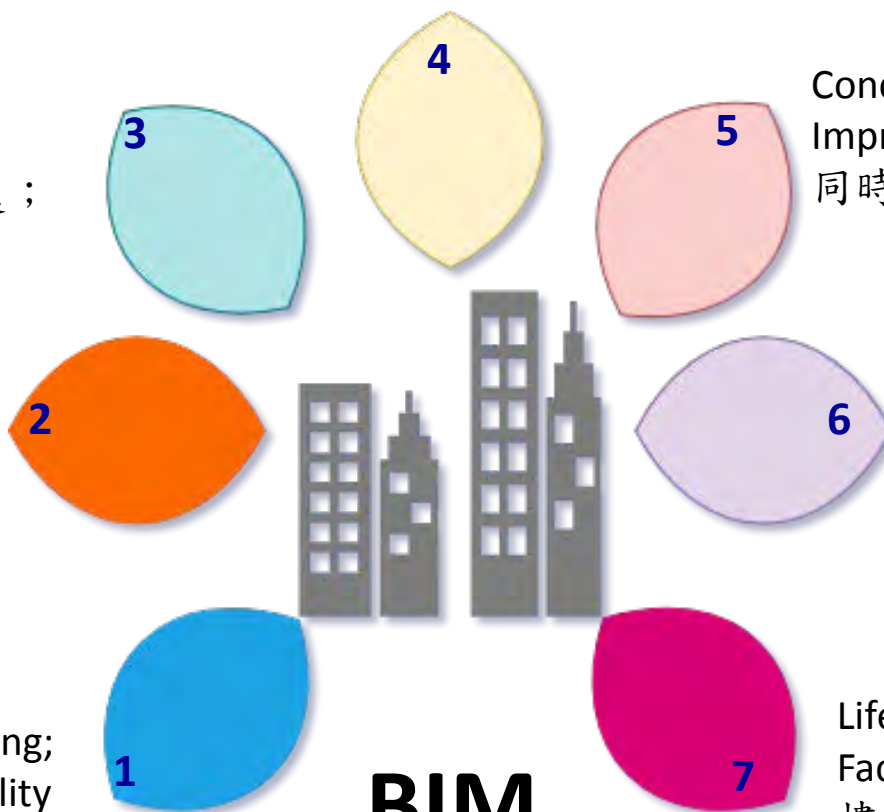
Model Before Build
先模擬 後建造

Schemes Comparison;
Optimised Design
方案比較；優化設計

Clash detection ;
Reduced conflicts
找出不能並容之處；
減少衝突

Planning with precision;
Reduced rework
準確計劃；減少重造

3D Rendering;
Virtual Reality
三維描繪；虛擬實境



Concurrent tasking;
Improved Collaboration
同時工作；有效協作

Precise Quantity Takeoff
精確成本估算

Lifecycle Benefits;
Facility Management
樓宇生命周期效益；
設施管理



One-stop
e-Counter
一站式
電子收件處



e-Registration
電子註冊

e-Processing
電子審批



e-Payment
電子繳費

e-Referral
電子轉交



e-DMS
電子文件管理系統



Building Plans &
Related Documents
建築圖則及相關文件



AP / RSE / RGE
建築專業人士



Plans Referred
個案轉交



CPS Participants
中央處理制度成員





Benefits / 效益

- Streamline development approval process

簡化發展項目的審批程序

- Improve co-ordination between CPS participants

改善中央處理制度成員間協調

- Encourage the greater and fuller use of BIM technology

鼓勵更廣泛和全面地使用建築信息模擬技術



Benefits / 效益

- Promote Smart City Development
推動智慧城市發展
- Environmentally friendly
環保
- Enhance communication between BD and users
加強屋宇署及用戶的溝通





Financial Implications / 對財政的影響

- Cost estimate at \$214.4 million

預算成本為2.144 億元

| Items 項目 | \$'000 |
|--|-----------|
| (a) Hardware 硬件 | 60,500 |
| (b) Software 系統軟件 | 22,520 |
| (c) Implementation Services 系統工程開發的服務 | 58,210 |
| (d) Contract Staff 系統工程管理及推行的服務 | 41,590 |
| (e) Others 其他 | 12,080 |
| (f) Contingency 應急款項 | 19,490 |
| 總計 | \$214,390 |



Timetable for Development of ESH

開發時間表

| Tasks (工作) | Proposed Schedule (預計日期) |
|--|--------------------------|
| (a) Tendering and contract award 招標至批出合約 | Q3 2018 - Q2 2019 |
| (b) System design to production commencement 系統設計至啟用 | |
| ➤ Stage 1 Plans not requiring cross-department referral 無須跨部門轉交的圖則 | Q3 2019 - Q1 2022 |
| ➤ Stage 2 Plans requiring referrals to works departments only 須轉交工務部門的圖則 | Q1 2022 - Q4 2023 |
| ➤ Stage 3 All types of plans 所有種類的圖則 | Q4 2023 - Q2 2025 |



Thank You