Maturity of BIM for Hong Kong Construction Sector

CICID 10th Anniversary Conference
31 May 2013

Maturity of BIM for Hong Kong Construction Sector

- Definition of "Maturity"

- BIM Environment in Hong Kong

- Conclusions

Definition of Maturity

- Technology

  - Hardware / Software ready?

- People

  - Owners / Professionals / Operators?

- Market

  - Standard / Specifications?

  - Market Size?

Technology

- Software
  - Many well established BIM Modelling Software available
    - Autodesk Revit; Bentley Architecture; Digital Project; Graphisoft ArchiCAD; Telka; ...
  - Many BIM Ready Downstream Software available
    - Structural Analysis; Energy Analysis; Micro-climate Analysis; ...
    - Facility Management System

- Hardware
  - BIM is successfully applied to projects with different sizes and nature

People (HKIBIM: 200+ members)

- Owners
  - Government Departments: e.g. Housing Department (by 2014/15)
  - Corporation: Airport Authority, MTR (New Projects), Ocean Park, WKCD, ...
  - Private Developers: Swire, Kerry, Henderson Land, Hysan, New World, ...

- Professionals
  - Architects, Engineers, Quantity Surveyors all start BIM
  - Contractors: Yau Lee, Gammon, China State, Paul Y, Hsin Chong, Hip Seng, ...
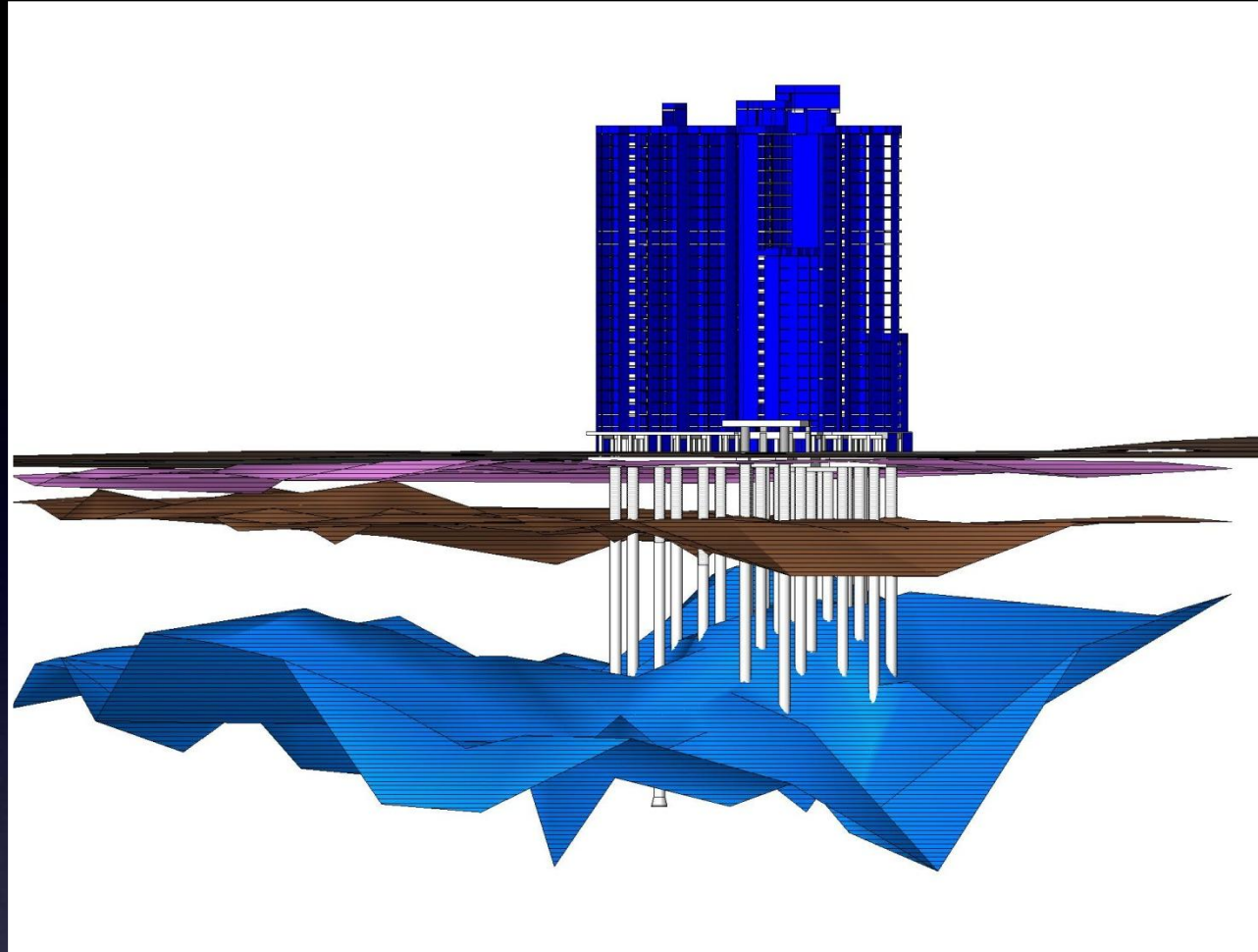
- Operators
  - BIM Consultants: 10+
  - In-house BIM teams

Market

- Standard
  - HKIBIM: BIM Project Specification (update in progress)
  - More than 30 different Standards worldwide
  - China: National / Industry / Organizational Standard (under preparation)
  - Organizational Standard: HKHA, MTR
  - Construction Industry Council: BIM Standard (under preparation)

- Specifications
  - In consultancy agreements / construction contracts

- Market Size
  - Current Project Value with BIM estimated >200 billion

Conclusion

- Technology is ready

- Critical Mass of Participants is reached

- Market Environment is established

Thank You

CICID 10th Anniversary Conference

31 May 2013