



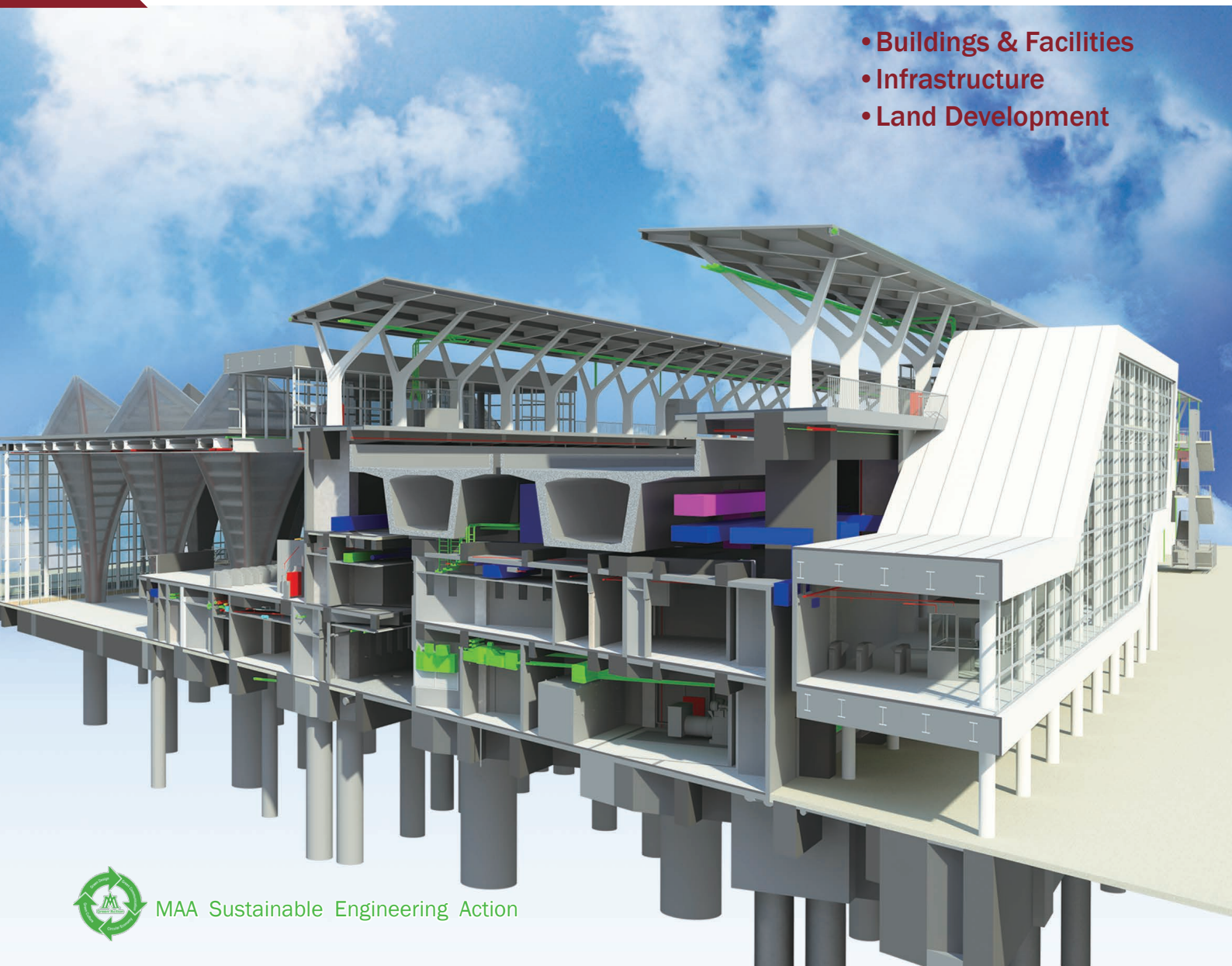
Integrated Solutions For Global Impact

MAA GROUP

BIM Management & 3D Civil Modeling

Project Life-Cycle Engineering Integration Service

- Buildings & Facilities
- Infrastructure
- Land Development



MAA Sustainable Engineering Action



Founded in 1975, MAA is a leading Asian engineering and consulting service provider in the East and Southeast Asian region focused in the areas of infrastructure, land resources, environment, buildings, and information technology.

To meet the global needs of both public and private clients, MAA has a full range of engineering capabilities to provide clients with integrated solutions - ranging from conceptual planning, general consultancy, engineering design to project management.

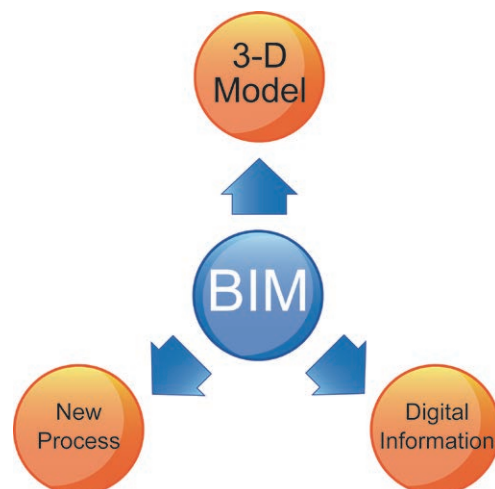
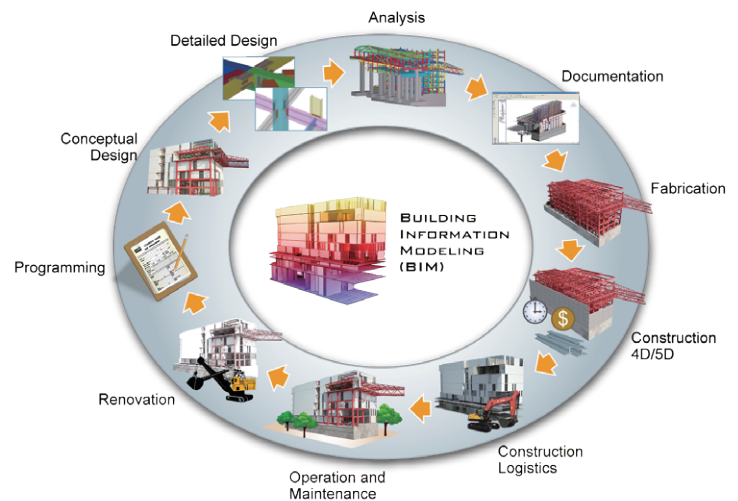
Today, MAA has 1000 people with companies in the Greater China Region (Beijing, Hong Kong, Macau, Shanghai, Taiwan), Mekong Region (Bangkok), and Southeast Asia Region (Singapore), creating a close professional network in East/Southeast Asia.

MAA's goal is to establish engineering capability that will meet local needs. Along with the changes in social-economic environment over the years, MAA's business philosophy is to provide professional service that will become an asset to clients with long lasting benefits. ASSET represents five key components that underlies MAA's principles of professional service:

Advanced technology
project Safety
client's Satisfaction
Economical solution
Timely completion

MAA Commitments

- Design production in BIM environment
- Integration of engineering disciplines
- Adopting latest BIM technology
- Promotion of consensus building and teamwork among all stakeholders throughout project lifecycle
- Evolve engineering service along with technology advancement
- Service package based on clients' needs

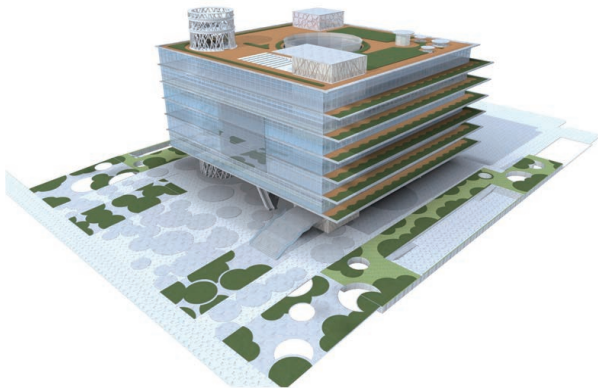


Scope of Service

Advantages of BIM Services

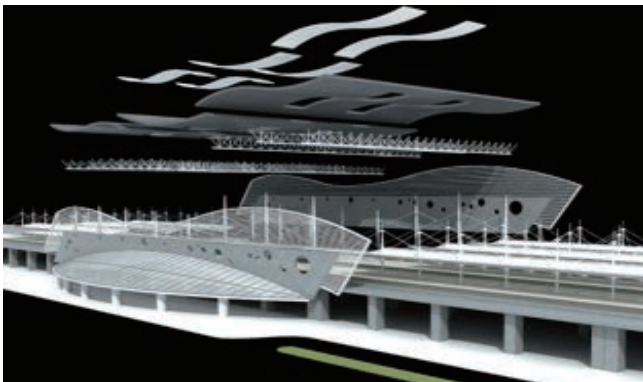
PLANNING

1. Massing Study
2. Scenario Analysis
3. Sunlight Analysis
4. Wind Analysis
5. Thermal Analysis
6. Program Area Study



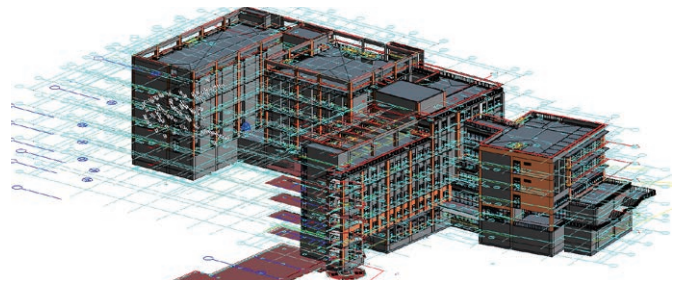
CONSTRUCTION

1. Quantity Take-Offs
2. Material Classification
3. Construction Sequencing
4. Scheduling
5. Material Delivery
6. Change Orders
7. Cost Analysis
8. Value Engineering
9. Site Management



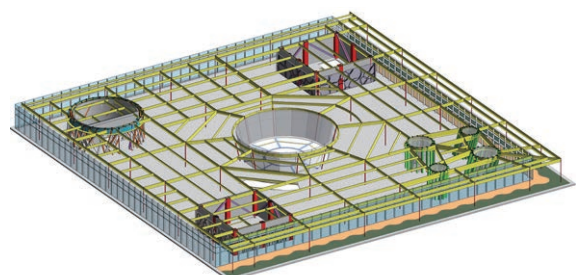
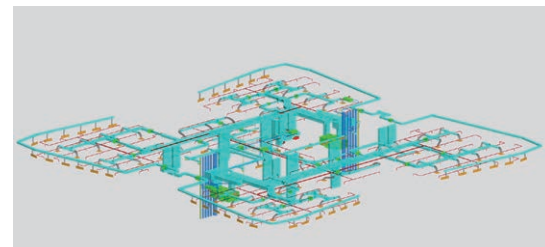
DESIGN

1. Clash Detection
2. Systems Integration
3. Multi-disciplinary Coordination
4. Structural Calculation
5. Perspective Rendering
6. Code Compliance
7. Area Calculation



MANAGEMENT/OPERATION

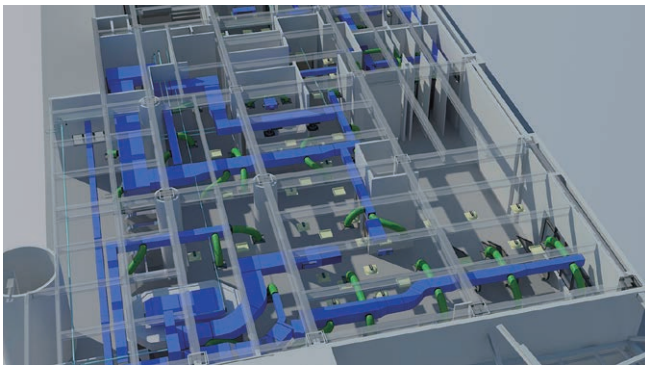
1. Electronic File Management
2. Life Cycle Costing
3. Property Management
4. Renovations & Upgrades
5. Circulation Analysis
6. Energy Optimization



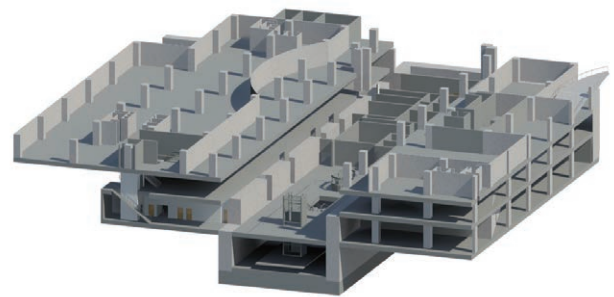
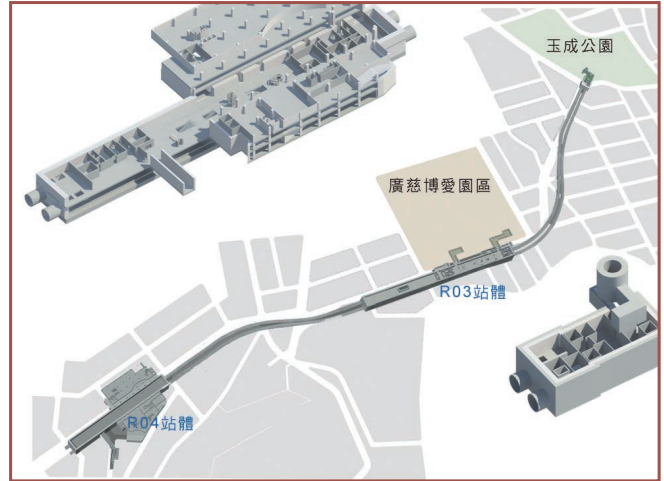
Track Records

Architect

Detail design of viaduct station, New Taipei City
MRT Circle Line Package DF113 station Y19



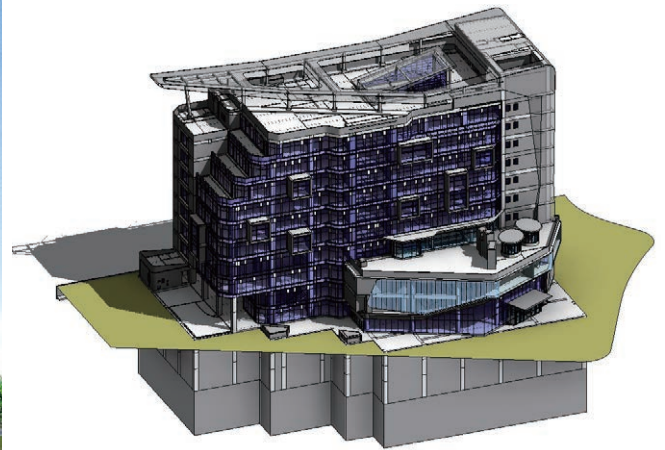
Detail design of underground station, New Taipei City
MRT Package DF149



MRT Y17

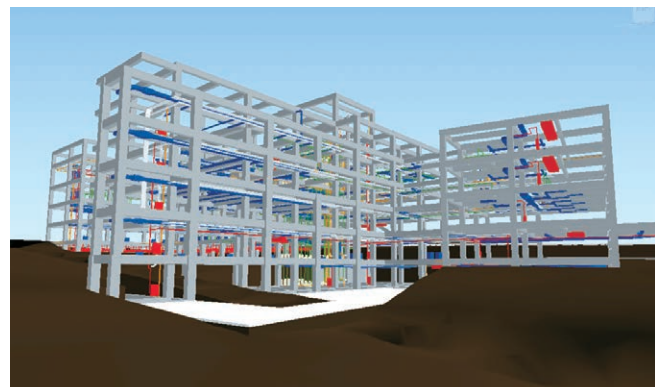
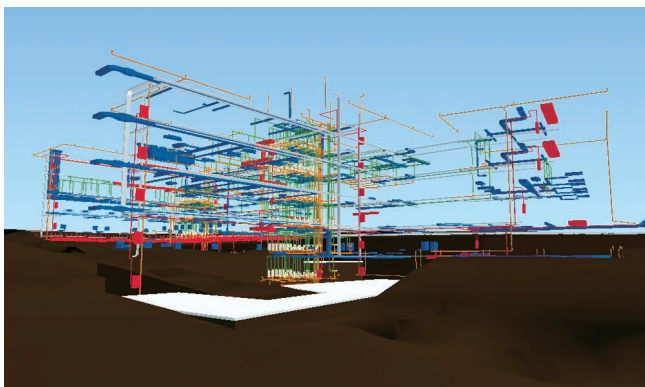
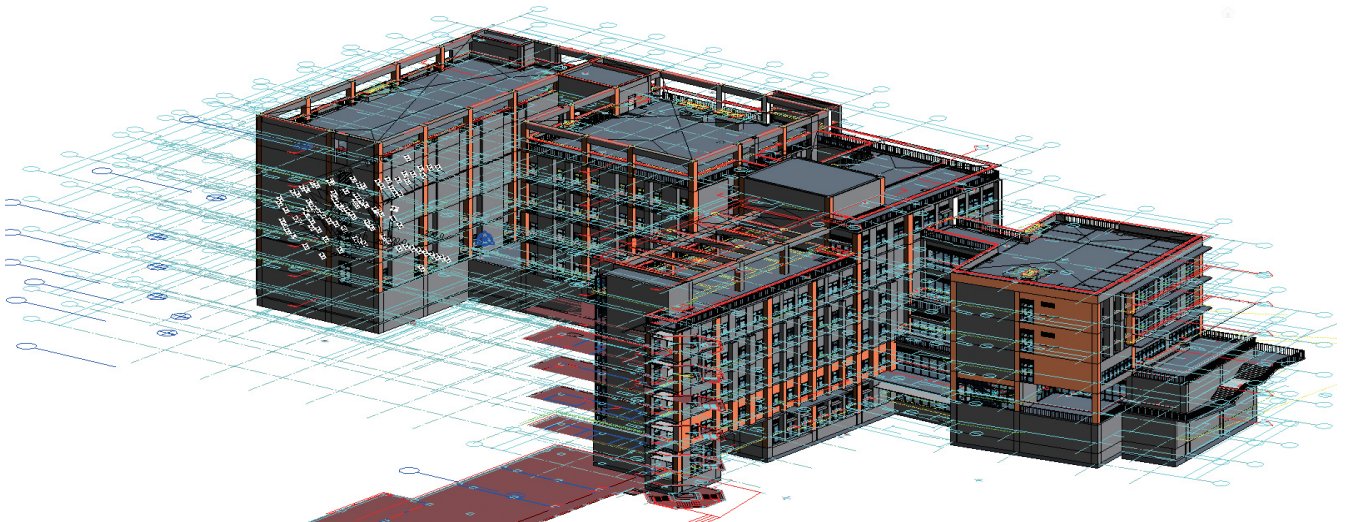


New Taipei City library

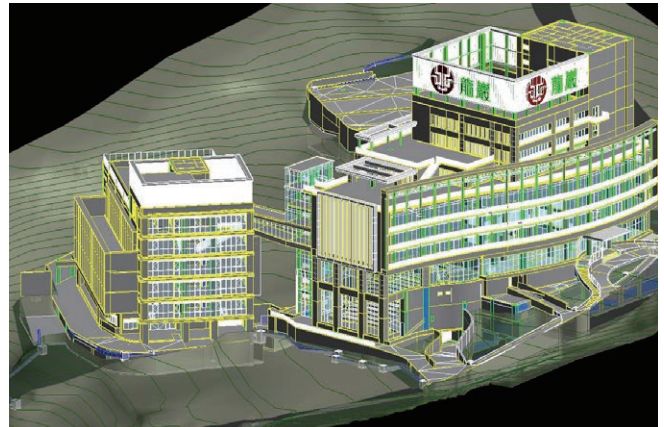
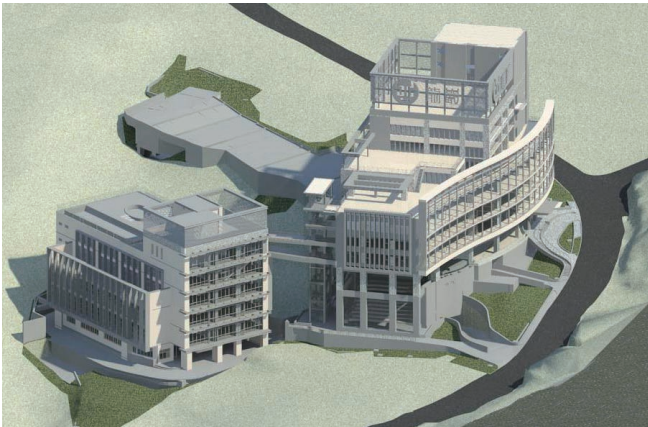


Civilian Building Design

Educational and cultural facility



Residential and commercial facility



School, Public Building Design

Biotechnology academic building,
National Cheng Kung University



Graduate student dormitory of
National Chiao Tung University

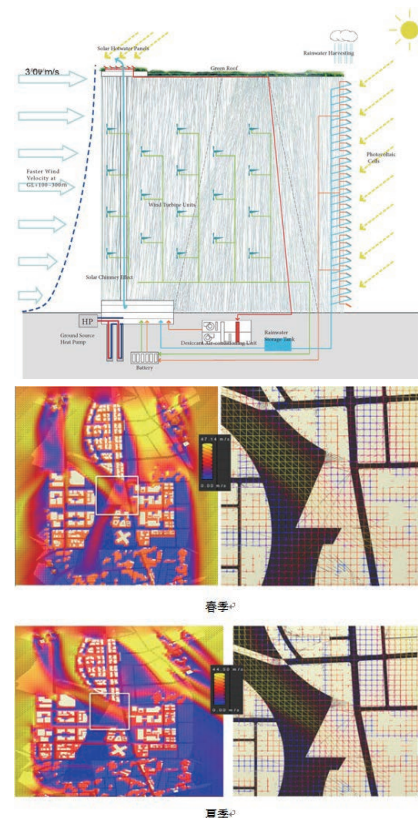


Environment Simulation

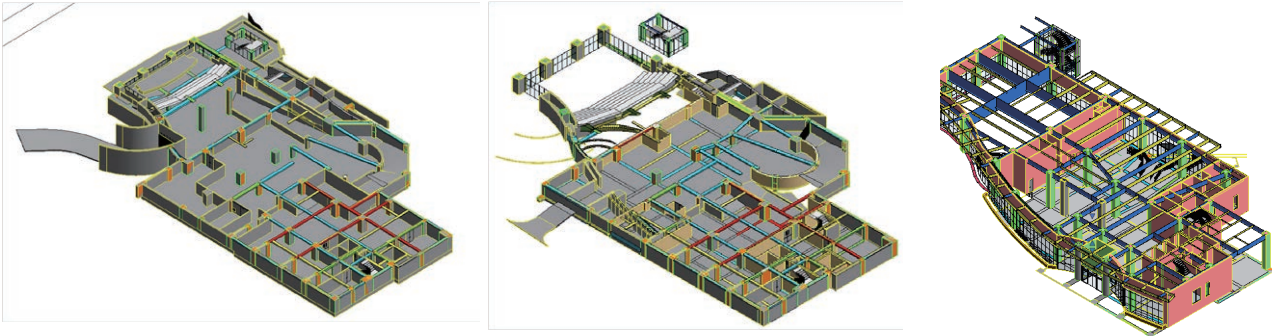
Taiwan Tower



Wind and solar analysis



Design Review and Clash Report



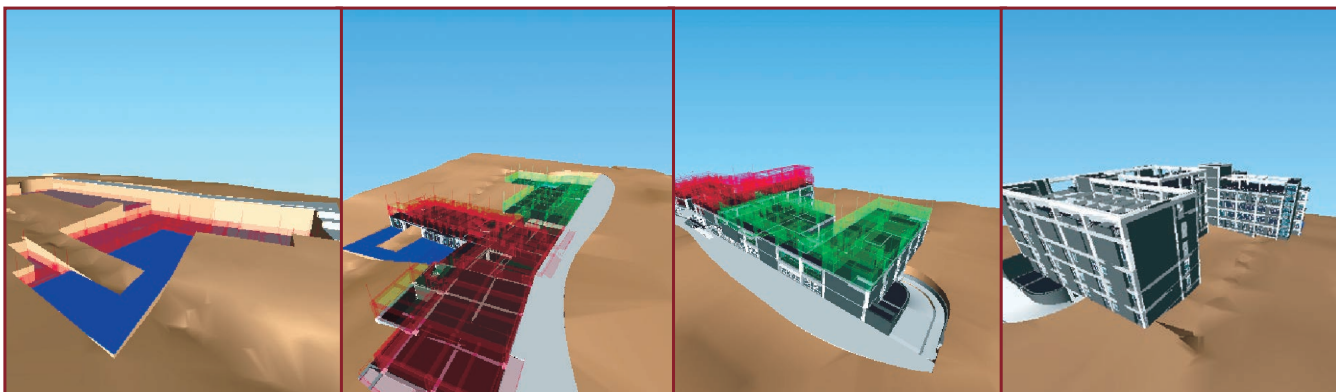
Virtual Scheduling

Week 1

Week 5

Week 10

Week 14



Virtualization and Functional Plan

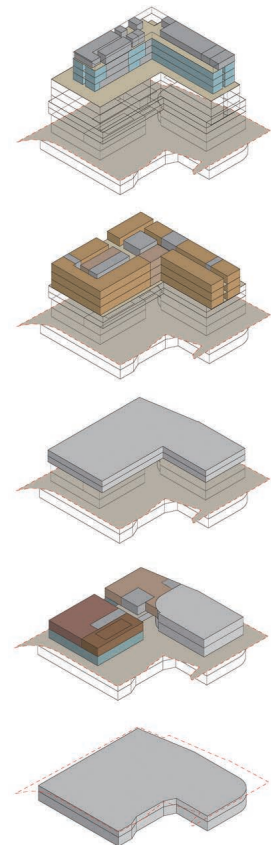
Exterior modeling



Interior modeling

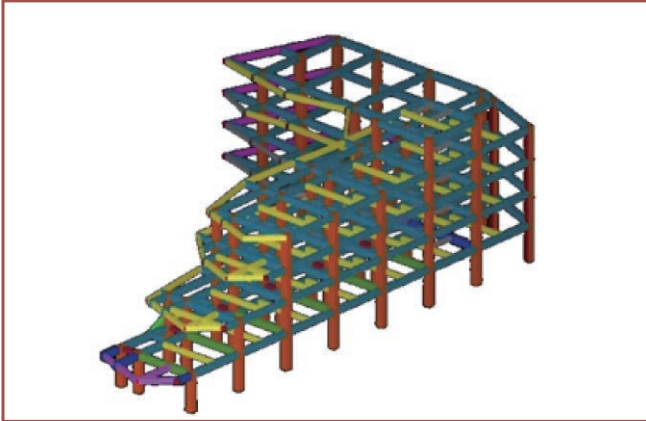


Hospital external model

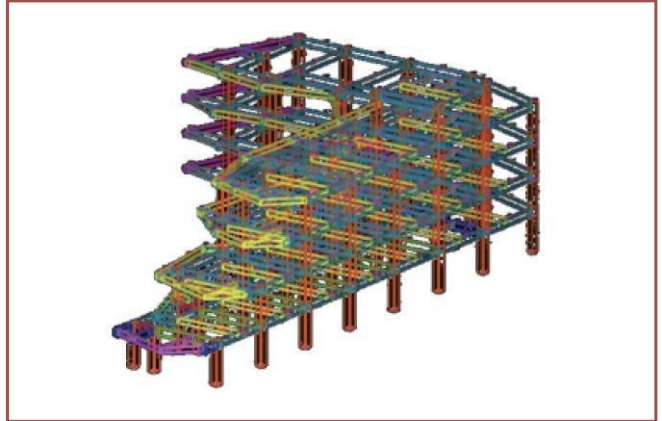


Details

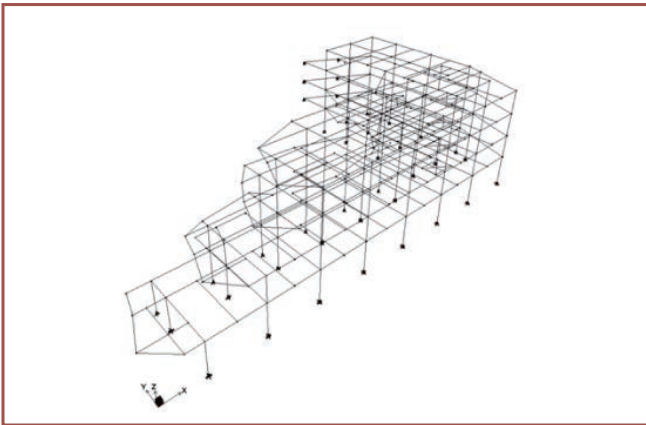
Space model



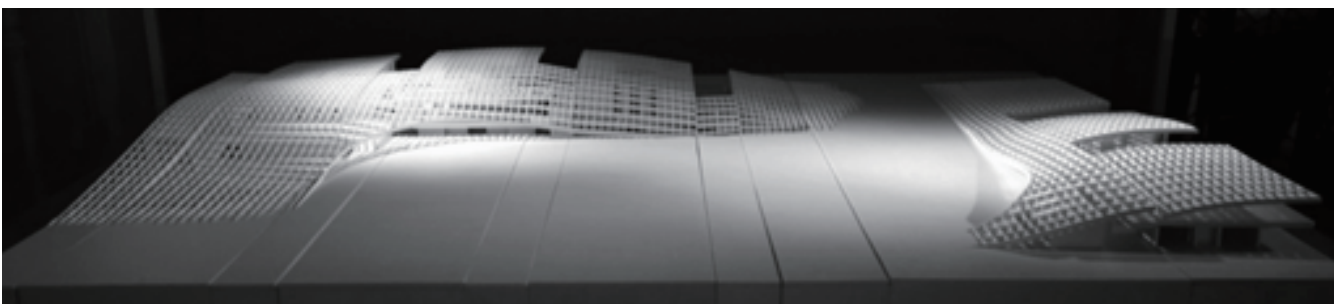
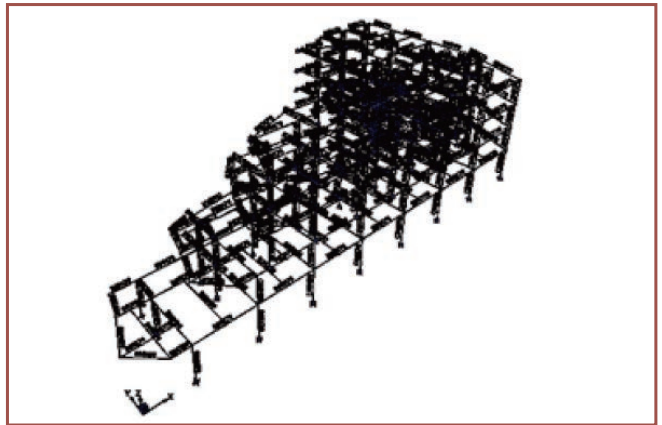
Analysis model



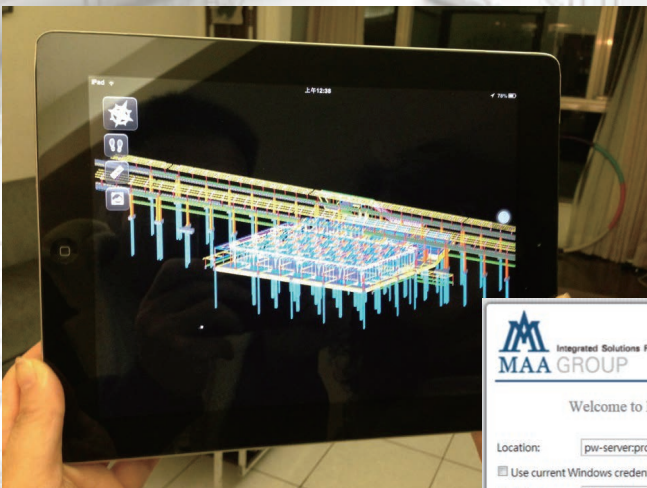
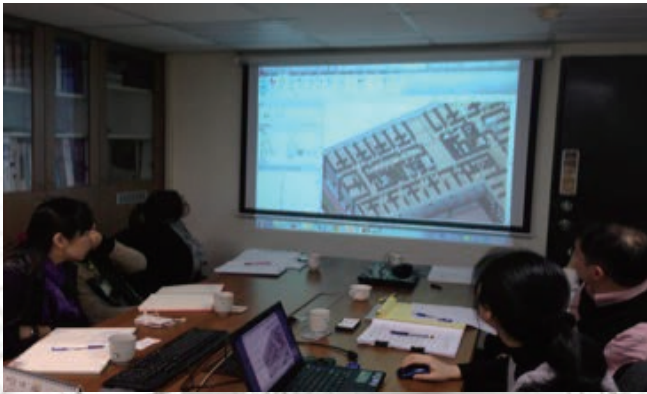
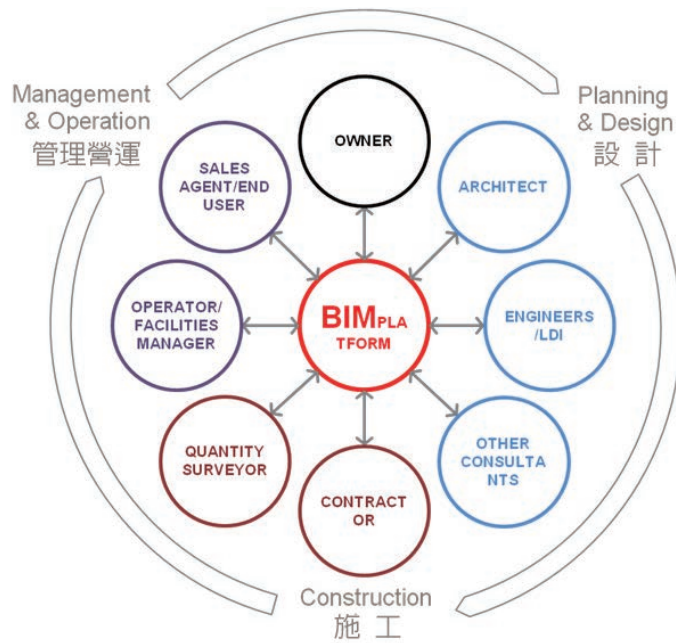
Structural analysis software



Structural calculation



BIM as a Central Platform



MAA GROUP
Integrated Solutions For Global Impact

Welcome to MAA BIM Server

Location:

☐ Use current Windows credentials (SSO)

User Name:

Password:

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