Blossom Spring @ Yishun

Key Features

- Prototype Unit Plans with Coordination among different disciplines
- Prototype Assemblies for Prefabricated Bathroom Units (PBU)
- Virtual Design and Construction Metric
- Intelligent BIM Content and Custom Application Programming Interface (API)
- Simulation Studies
- Underground Services Coordination
- Block Level Services Coordination
- Weekly Integrated Concurrent Engineering (ICE) Sessions
- Integrated and Coordinated Model
Changi General Hospital Medical Centre

Key Features

- Design Options Studies with BIM Massing Models
- 6D Sustainability and Analysis
- Virtual Design and Construction
- Integrated and Coordinated Model
- 2D + 3D, 4D, 5D, 6D Simulation Studies
- Construction Documentation with BIM
- Weekly Integrated Concurrent Engineering (ICE) Sessions
- Complex Integration the new and existing building
- Monitoring
Gospel Light Christian Church

Platinum

Gospel Light Christian Church
LAUD Architects Pte Ltd
LSW Consulting Engineers Pte Ltd
PTP Engineers Pte Ltd
Hong Kiat Construction Pte Ltd

Key Features

- Site Planning and Studies with BIM Model
- Luffing Crane Simulation
- Clash detection to avoid reworks
- Underground excavation and services studies with BIM approach
- Construction documentation with BIM
- Integrated services with upfront collaboration
- Improved Communication
- Reduced 30% manpower
- Improved Productivity
Key Features

- Integrated Concurrent Engineering (ICE) Sessions
- Visualisation and Quantity Take off
- BIM approach for Tender and Construction Stages

- Clash Detection
- Reduced RFIs (Request for Information) during Construction Stage to avoid reworks
- Site Planning and Studies with BIM Models

- Detail Construction Documentation with BIM platform
- Theory of Constraint (TOC) application together with BIM approach
- Strategized BIM Process Management at different levels
Corals at Keppel Bay

Key Features

- Large Scale, Complex Residential Development
- Productivity gain with reduced man hours on construction drawings production
- Collaborative Work Process at Design and Construction Stages
- Temporary works and Construction Schedule with BIM for costing and Sequence Planning
- Computational Design with Visual Programming Approach
- Panel Modulation and Labelling for Pre-fabrication
- Multi-Disciplinary Technical Coordination with BIM Approach
- Digital Mock-up with the use of Smart-Board for Virtual Visits
- Coordination for more than 17,000 Different Glass Panels and 81,000 Different Aluminum Panels
Mapletree Logistic Hub - Toh Guan

HSBC Institutional Trust Services (Singapore) Limited as Trustee of Mapletree Logistic Trust
3HP Architects Pte Ltd
BECA Cater Hollings & Ferner (S.E. Asia) Pte Ltd
Lum Chang Building Contractors Pte Ltd

Key Features

- Strategized BIM Process Management at different levels
- Strategized BIM Project Delivery with BIM approach
- BIM for Construction Documentation
- Asset Data
- BIM for Construction Simulation
- Productivity Analysis with BIM
- Integrated Concurrent Engineering (ICE)
- Data Management with COBie
- BIM Quantified on Savings for Cost, Time, Manpower and Resources
Hamptons

Key Features

- Communication via BIM Platform
- Documentation with BIM approach
- Design Studies with BIM Models
- Visualisation with BIM Models
- Collaboration among Executive Teams
- Earthwork Calculation and Planning
- Prefabrication
- BIM Library and Templates
- Multi-disciplinary Coordination
- Accuracy and Productivity Improvement

Gold

Mapletree Industrial Trust Management Ltd
P&T Consultants Pte Ltd
LSW Consulting Engineers Pte Ltd
BECA Carter Hollings & Ferner (S.E.A) Pte Ltd
Tiong Seng Contractors Pte Ltd
Deluge Fire Protection Pte Ltd
Markpoint Engineering Pte Ltd
Kinden Corporation Singapore Branch
Steeltech Industries Pte Ltd
High Park Residences

Key Features

- Developer Initiated BIM adoption
- BIM Coordinated Models
- Linked for Architectural and Construction BIM Models
- Construction Simulations
- BIM to Field and Field to BIM
- Cost Monitoring with Payment Evaluation in BIM Models
- Overall Planning and Progress Monitoring
- Virtual Mockups and Virtual Visits
- Virtual Design and Construction (VDC) with Integrated Concurrent Engineering (ICE) sessions

Gold

Fernvale Development Pte Ltd
P&T Consultants Pte Ltd, (Archi)
P&T Consultants Pte Ltd, (C&S)
Rider Levett Bucknall LLP
United Project Consultants Pte Ltd
China Construction (SP) Dev’t Co. Pte Ltd
China Construction Realty Pte Ltd
Great Resources M&E Contractor Pte Ltd
Jin Cheng Pte Ltd
Marine Blue

- Revised Work Flow with Virtual Design and Construction (VDC) approach
- Reduced Time with compact BIM Processes
- Visualisation and Walkthrough

- Unit Virtual Mockup
- Building Maintenance Simulation
- Integrated Concurrent Engineering (ICE) sessions

Key Features

- As-Built Management with BIM approach
- Reduced RFIs (Request for Information)
- Reduced Mandays and Reworks
- Quantified Savings

Gold
CapitaLand Limited
MKPL Architects Pte Ltd
KTP Consultants Pte Ltd
Squire Mech Pte Ltd
Tiong Aik Construction Pte Ltd
Key Features

- BIM Project Workflow
- Data Exchange Platform
- Issue Management Platform
- Architectural BIM Model Extent
- Structural BIM Model Extent
- MEP BIM Model Extent
- Virtual Design & Construction (VDC)
- Site and Progress Management with BIM approach
- Quantified Outcome and Output

The Alps Residences

Gold

MCC Land Singapore Pte Ltd
AGA Architects Pte Ltd
Group8asia Singapore Pte Ltd
KTP Consultant Pte Ltd
United Project Consultants Pte Ltd
China Jingye Engineering Corp Ltd
West-Terra @ Bukit Batok

Key Features

- Process Management
- Design with BIM approach
- Cost Monitoring with BIM approach
- Construction Documentation with BIM
- Parametric Modelling
- Centralized Collaboration Platform
- Site Planning and Construction Sequencing with BIM
- Prefabrication
- Site Coordination with BIM
- Augmented Reality
- Prefabricated Volumetric Construction (PVC) with BIM
- Quantified Output and Productivity Gain