

Be GREEN

Be LEAN

Be BIM

## An Excellent BIM Services & Solutions Provider

Global Virtual Design and Construction Limited, has established in early 2013 with a pool of experienced engineers, quantity surveyors, IT experts, Building Information Modeling (BIM) experts and BIM modelers, is a rapid growing BIM services and solutions provider based in Hong Kong.

As BIM technology has already been a trend and standard in the Building and Construction Industry both locally and worldwide, we believe that Virtual Design and Construction is a holistic approach ideal for lean construction without compromising quality and in the meantime reduces potential risk and costs in any construction projects.



Global Virtual Design & Construction Ltd

# GVDC Trainings

## Trimble™ Vico Training

Our training team aims to offer trainings that best match the learning objectives of their company. This supports their deployment and implementation of Vico services into business.

Training Details:

- Modeling Training
- 5D BIM Workshop
- Vico Office Suite Training



Vico Office Training

## Virtual Design & Construction (VDC) Concept

*Trimble™ Vico Office Suite as a Tightly Integrated BIM Neutral Platform*

Vico Office enables owners and contractors to:

- Manage cost & optimize schedules
- Collaborate efficiently & flexibly
- Meet distinctive needs of various construction process
- Improve predictability



Vico 4D BIM Scheduling



Vico 5D BIM Estimating

## BIM Training

### Revit Training

Our expert service team prepares clients for certification by joining our high quality Revit trainings and assist them to develop skills with sample projects that are focus on real applications.



Revit – Building Design Software



Revit Training

### Graphisoft™ ArchiCAD Training

GVDC also provides interactive and professional Graphisoft™ ArchiCAD trainings. We help clients learn by doing and aim to expand clients knowledge to a broad range of topics.



Graphisoft™ ArchiCAD - Create 3D Detailed Design Documentation



Graphisoft™ ArchiCAD Training

# GVDC Services

## Full Life Cycle Management (FLCM) Consultancy

GVDC is committed to work closely with clients throughout the whole FLCM. We provide implementation and delivery of reinvented concepts to achieve accurate construction planning and control, as well as improve visualization.



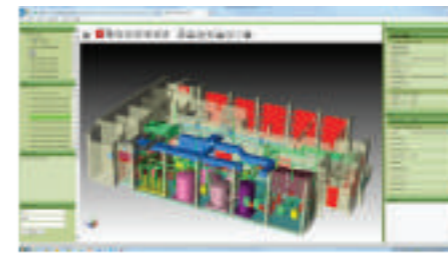
FLCM Consultancy



Fuzor - A Real Time 3D Representation of Work

## AM & FM Management Solutions

With years of experience, we aim to expand facility managers' ability in asset management and data maintenance analytics by EcoDomus, and help clients to maintain accurate data on any properties using Manhattan.



EcoDomus - BIM & COBie Lifecycle Data Management



Manhattan - A Property & Asset Management Software

## Drone / Unmanned Aerial Vehicle (UAV)

*Real-time Reconnaissance & Surveillance in Construction Sites*

GVDC provides real-time checks using drone / UAV, whereas high-definition video and images, and light detection could enhance project life cycle.



## Trimble™ 3D Laser Scanning

*Rapid Collection of Point Cloud Data*

We support the collection of point cloud data in construction sites using laser scanning. The data can be translated into a 3D model for thorough design validation.



Trimble TX5 Studio



Trimble TX5 Modeling

## Asset Management



When it comes to effective asset management of buildings, over or under maintenance, improper operation and improper risk management may be the biggest challenges. Yet Manhattan can be applied in this stage to tackle assets mismanagement.

## Facility Management



For day-to-day management of buildings, immediate responses are always required in many maintenance activities. With EcoDomus and Fuzor, we bring the value of BIM to building owners by emphasis of data management and maintenance of efficiency for better cost control and facilities operations.

## Pre-Fabrication



Unclear shop drawings to poor fabrication often leads to clashes in fabrication. But with the edging software Tekla™, 3D visualizations and alternative solutions can be provided to project team for fabrication management, erection planning and potential problems findings.



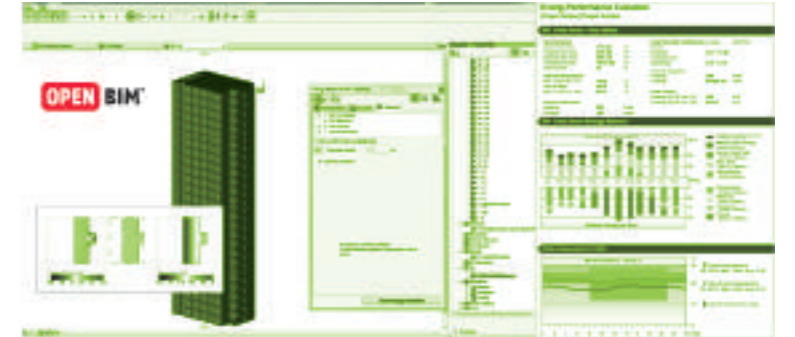
## MDO+GIS+Drone

In planning exploration process, OpenBIM allows designers ideas to be put together in an IFC model to facilitate design sharing process. Multidisciplinary Design Optimization (MDO) can systematically search thousands of design options based on client's objectives. Moreover Drone and GIS Technology can analyze and manage site infrastructures to optimize design procedure.



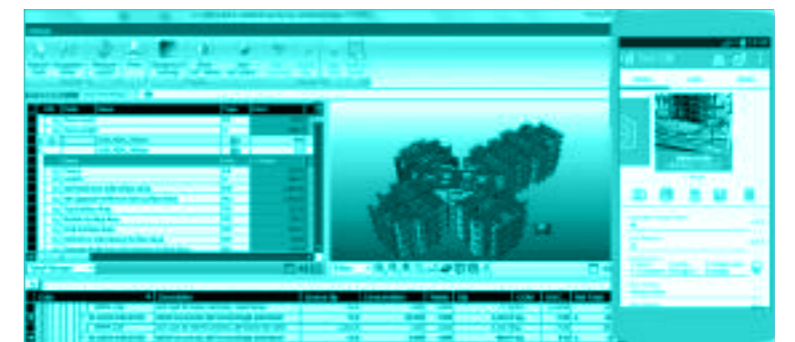
## Planning & Estimation

In planning and estimation stage, BIM can be used to integrate designer's ideas into a single model for better design visualization and collaboration, and EcoDesigner Star can help identify energy performance implications. All these greatly facilitate construction progress and cost estimation preparation.



## Construction / Laser Scanning

Construction planning is the process of identifying activities and resources required to make the physical reality. Project control and model-based quantity takeoff could be achieved easily using Vico Office Suite. Vico extends the potentials of IFC models with constructability analysis, 4D scheduling and 5D estimating.



## Our Strategic Partners



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