

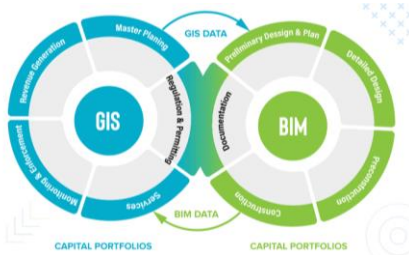
## SC401 - 3D City Modelling & Building Information Management (BIM)

Course Duration: 5 Days

Training Fee: KSH 40,000 | USD 400

Course Registration: [Register Here>>](#)

### 1.0. Introduction



Today's cities are facing a variety of issues related to sustainability and resiliency of their critical infrastructure – from roads and bridges to facilities. Aging infrastructure assets still in operation often do not have reliable digital design or construction data. In the months and years ahead, critical infrastructure assets will need to be rebuilt or improved while still being an active part of an ongoing system. To effectively

manage the enormous number of these assets, an efficient process is needed to continuously update, operate and maintain them. Helping to address these problems, all built structures need a better way to be managed throughout their entire lifecycle. Smarter planning, design, construction, and operation and maintenance (O&M) of infrastructure assets require governments and architecture, engineering & construction (AEC) firms to invest in streamlining the flow of information between the construction and operational data. The good news is that this can be achieved through the integration of BIM (building information modeling) and GIS (geographic information systems) data.

### 1.1. Course Content/Outline

- ❖ **Consume and Share:** Distribute 3D BIM models to your stakeholders in the right way.
- ❖ **Edit & Manipulate:** Change information about assets as part of the life cycle process.
- ❖ **Analysis and Planning:** View in context to enable deeper analysis and planning.
- ❖ **Operation and Maintenance:** Aggregated asset and space management in GIS.

### 1.2. Training Approach

This course is delivered by our seasoned trainers who have vast experience as expert professionals in the respective fields of practice. The course is taught through a mix of practical activities, theory, group works and case studies.

### 1.3. Certification

Upon successful completion of this training course, participants will be issued with a certificate.

### 1.4. Tailor-Made Course

We can also do this as a tailor-made course to meet organization-wide needs. Contact us to find out more [geo@orbital.co.ke](mailto:geo@orbital.co.ke)