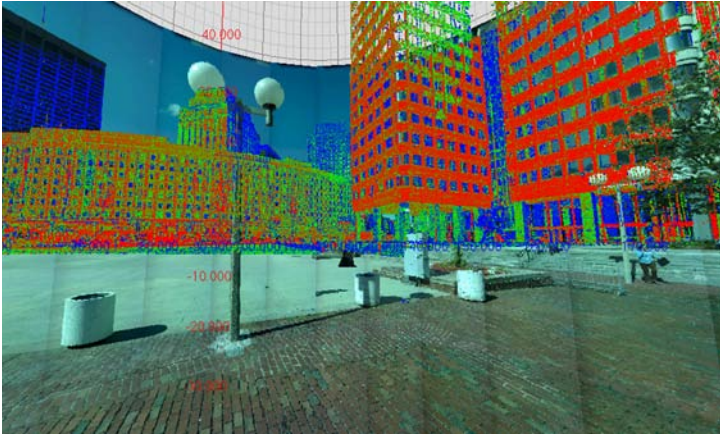




# LiDAR Solutions for BIM

**SOKKIA**

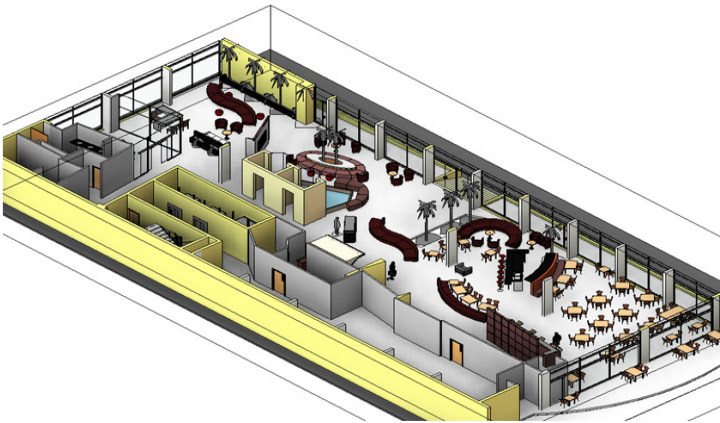




- (1) Export 3D point data for construction drawings
- (2) Renovation, extension, & new design
- (3) Clash detection
- (4) 2D detail drawings
- (5) 3D modeling
- (6) As built information
- (7) Project Planning
- (8) Architectural drawings
- (9) Civil Engineering 7 surveying
- (10) Structural drawings
- (11) MEP design
- (12) Construction documents
- (13) Conceptual Drawings

Create coordinated digital design information and documentation  
 Visualize, simulate, and analyze performance, appearance and cost  
 Deliver the project faster, more economically and with reduced environmental impact

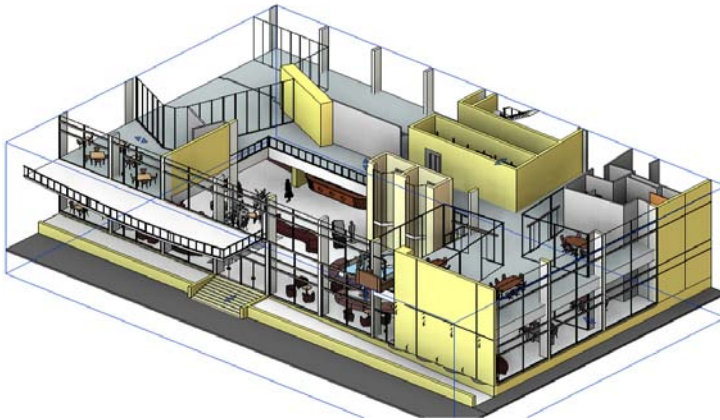
- Ability to speed up design to construction process
  - Reduction of errors, omissions, collisions, risk & liability
  - Labels updated automatically; "What you see is what you get"
- Construction Documents derived from models
- Rapid turn-around should design need to change



Design Visualization  
 Visualize prior to contract award to accelerate understanding of design intent  
 Design Validation  
 Integrate 3D models of all trades to identify interferences and constructability issues before they materialize in the field

Estimating  
 Pre-construction derive quantities and associate to a project cost item; Assist in procurement (e.g. rebar fabrication, concrete formwork, etc.)

Scheduling  
 Visualize construction process to review and optimize construction sequencing ;  
 Manage field design changes and RFI's more efficiently  
 Enabler of Productivity Enhancing Technology



**Export:**

Line work, 2D drawings, 3D Model, Polylines, Features, Assets, Street Furniture, Planes, Edges, Cross-sections, Mesh, Features, Angles, Lengths, Heights, Volume, Vectors, Annotation, Colour 3D point cloud, Break Lines, Ground, Non-Ground, Surface Grid, Hill-shades, Draped Imagery, Contours, Intensity, Texture, Layers, DTM, Classified points, Assets, Dimensions, Line of sight, Fly Through, Projection, etc.

**Export Format:**

DXF, DWG, BMP, GIF, JPEG, PNG, TIFF, CL3, CLR, PTX, CLD, IJ, LAS, OBJ, WRL, X3D, CLT, TRG, PTS, TXT, MSH, TN3, DGN, SHP, XML, PTC, ASCII, GeoTIFF, ESRI, USGS DEM, FLT, and other GIS & CAD.

**Compatibility:**

AutoCAD, Civil 3D, SolidWorks, Revit, Navisworks, Microstation, Bentley, 3DMax, Polyworks, Rhinoceros 3D, Terrasolid, ESRI, GIS etc

