



Upon completion of this workshop, attendees will be able to understand how Autodesk® Revit® Architecture changes the typical workflow of completing the design and documentations of building projects. Additionally, attendees will understand the data sustainability aspect of Revit and how the information can be used throughout the design/construction/operation lifecycle of buildings.

Prerequisites: Project Management of construction documents required. Architectural design or engineering design is highly recommended. CAD experience is not necessary; workshop does not include hands-on Revit usage.

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Workshop Objectives

The objective of the workshop is to explore and understand the differences between the usage of 2D CAD (AutoCAD®) and BIM (Revit) in the practice of designing and creation of construction documents. To achieve an awareness of how other products (Autodesk® Navisworks®/Autodesk® Ecotect® Analysis) can be utilized with Revit.

Who Should Attend

Those individuals who are involved with managing BIM/Revit based projects and want to understand how BIM will change how project workflow occurs. This workshop is intended for individuals within firms whose duties include management of the Revit team, design project management, and coordination of the inter-discipline teams. The workshop is also intended for firms that are migrating to BIM/Revit and want to understand the changes in workflow processes and deliverables that will be needed in a BIM environment.

Topics

Note: This will be done in a interactive consultative manner. No courseware will be provided.

What is BIM?

Integrated Project Delivery (IPD) – What is it? How does BIM fit?

Conceptual Issues Regarding BIM

- Benefits and limitations of information modeling
- Assets (components + families) as strategic asset
- Coordination with other team members (consultants, Owner, contractor)
- Leveraging BIM data during the process (data sustainability)

A Tour of Revit – What You Can Do Easily

- View Creation
- Data Extraction
- Import and Export Options (.dwg, .ifc, gbXML, .xls)

Other Allied Software (awareness only) – Carrying the Data Further

- Navisworks
- Ecotect Analysis

Office Management Issues

- Implementation Strategy
- Roll-out Strategies
 - Pilot Project
 - Training
 - Use of Consulting/Post-Mortems

Common Issues

- Workflow Requirements
- Team Size (during each phase of project) Strategies
- How to handle detailing