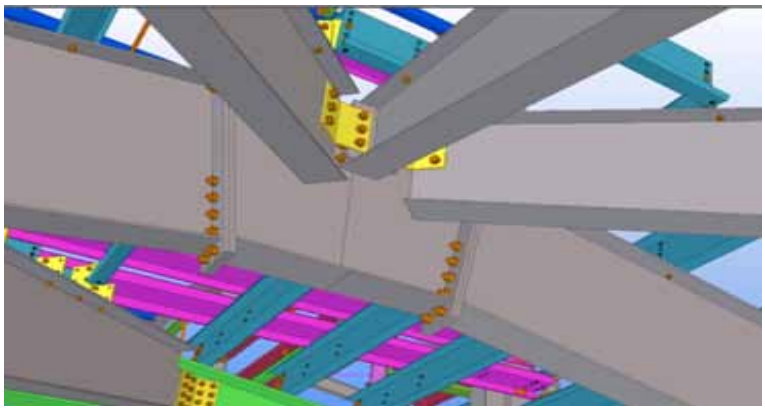
Building Information Modeling
BIM
Models For The Future

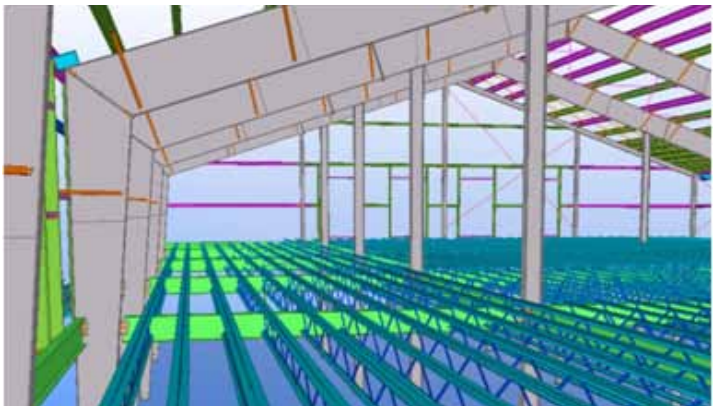
Unlike past 3D innovations in the building industry, BIM is more than a conceptual modeling tool. BIM encompasses building geometry, spatial relationships, geographic information, quantities and properties of building components. When the modeling software is used by manufacturers and principles involved in a building project, the resulting BIM is usable for fabrication and erection. It involves ground-up reality rather than top-down theory.

This AIA Health, Safety and Welfare (HSW) program has been designed to provide an architect, design professional or general contractor a basic understanding of the power of BIM from a manufacturer's perspective.

Topics Covered

- Industry Game Changers
- 3D Visualization Examples – High Detail
- Types of Innovation
- Models for the Future Video
- BIM Advantages
- Field Applications with BIM
- Revit® Interface with Tekla Structures
- BIM Applications in Real Life





Learning Objectives

1. Understand how Building Information Modeling (BIM) is transforming and streamlining the construction process.
2. Understand how an Integrated Project Delivery System (IPD) significantly improves communication to streamline a project, reducing change orders, waste and detecting system clashes.
3. Understand how field use of BIM & 3D Modeling can prevent unsafe erection conditions in the field.
4. Learn how BIM modeling can significantly improve accuracy and cut costs of surveying for a building's location including foundations, footings and anchor bolts.

American Buildings Company (ABC) is a Registered Provider with The American Institute of Architects Continuing Education Systems (AIA/CES). Credit(s) earned on completion of this program will be reported to AIA/CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request. This program is registered with AIA/CES for continuing professional education. 1 Learning Unit (LU) will be awarded for this HSW course.

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