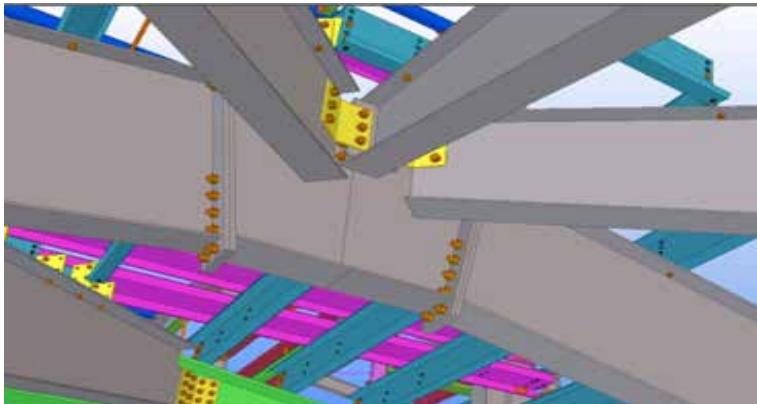




# Building Information Modeling BIM Models For The Future

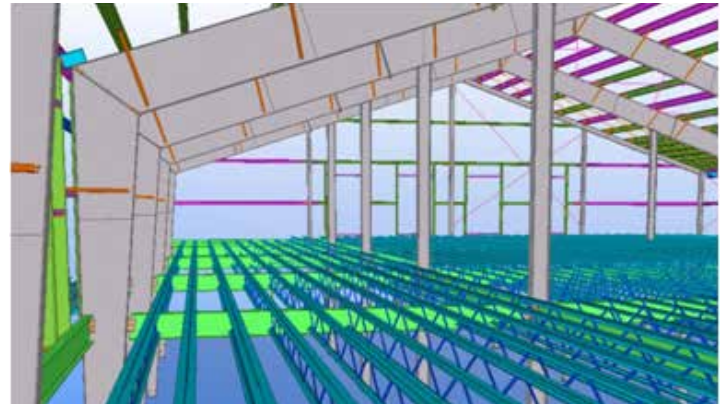
Unlike past 3D innovations in the building industry, BIM is more than a conceptual modeling tool. BIM encompasses building geometry, spatial relationships, geographic information, quantities and properties of building components. When the modeling software is used by manufacturers and principles involved 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.*