



QUALITY
INTEGRITY
PERFORMANCE
VERSATILITY

Innovative tool for the Design-Build Engineering Department - Revit

We are in the midst of a revolution in how buildings are designed and constructed. This new era is based around the concept of Building Information Modeling (BIM). In recent years, architects and engineers have been quietly implementing 3D modeling into the design process, while the construction process utilized 3D modeling in only large and high profile designs such as the Kuala Lumpur Towers in Malaysia, and the Guggenheim Museum in Bilbao, Spain. With advances in computing power and software, 3D modeling has broken new ground in projects that are closer to home. Now medium to large size buildings such as spec office buildings and schools are being designed using 3D software tools.

Hunt Electric has implemented Autodesk Revit into our Design-Build toolbox. With Revit, the design and drafting process is performed entirely in 3D. A building is now designed from the ground up in 3D, and the electrical engineer contributes to that process by designing the power, lighting, communications, and other systems in the same three-dimensional model. Revit also simplifies many of the basic engineering tasks as it automatically calculates circuit loads and lighting photometrics.

The real advantage of Revit and BIM is the ability to easily coordinate between trades. Mechanical piping and ductwork, sprinkler piping, and structure can be easily coordinated, and conflicts discovered and resolved prior to beginning any construction.

Every day, more and more architects and general contractors are requiring their design teams to implement and 3D design and construction solution, and more often than not, Revit is the solution. Hunt Electric is excited to be able to provide that solution to our clients and be part of the 21st century design and construction revolution.