One of BIM's strong points is the ability for the construction team to coordinate all of the buildings' system and trades.

THE BIM USER GUIDE

With the purpose of the IPRO, IPRO 338 has produced a booklet. The booklet would act as a practical guide for Building Information Modeling and for the electrical contractor. The IPRO BiMiIT team was split into three subteams: content, benefits, and implementation. The research conducted by teams are recorded in the BIM user guide and will be presented as a solution to the Electrical Contractors Association.
WHY BIM?

It is estimated by the National Institute of Standards and Technology that the construction industry loses about $16 billion per year because of interoperability costs. BIM provides the efficiency necessary to greatly reduce these losses by acting as a communication tool for everyone that is involved in the project.

BIM allows easy implementation of prefabricated products, clash detection, total station layout, and smooth communication.

Reduces the number of draftsmen by allowing multiple projects at a time.

BIM has the ability to place components and edit them as the project progresses, which saves a large amount of time.

BIM instant schedule sheets count and account for every item, and are formatted, and ready to be placed into the drawing set.

WHAT IS BIM?

BIM is not a software.

BIM is an ideology; software creates BIM.

PROJECT OBJECTIVES

- Summarize main sources of inefficiency in the electrical contracting field
- To create an informational guide to help electrical contractors understand BIM
- Devise and implement a plan for distributing the team’s recommendations for improving efficiency to electrical contractors

SOFTWARES THAT CREATE BIM

Revit
Architecture

Autodesk
NavisWorks™

THE ECA: Members of ECA are experienced contractors in the electrical construction industry throughout Chicago who provide quality and cost effective services.