

---

## What Is A BIM project? The Ultimate Guide

---

BIM stands for Building Information Modeling. It's an approach to building design that allows architects, engineers, contractors, and other professionals to collaborate on a project using digital models instead of paper drawings. This makes it easier to share information and coordinate tasks.

### What Is BIM?

BIM is a process that involves creating 3D models of buildings and infrastructure. These models allow people to see how a structure will look before it's actually built. They also make it easy to compare different designs and visualize changes.

### Why Should You Care About BIM?

BIM has been used for decades by architects, engineers, contractors, and other professionals who design and build structures. However, it wasn't until recently that it became widely adopted by general contractors and builders. This was largely due to the fact that BIM software makes it easier for them to collaborate with others and share data. It also allows them to easily communicate with subcontractors and suppliers.

### Benefits Of Using BIM

There are several reasons why using BIM is beneficial for both designers and builders. First, it saves time. By creating models of buildings before they are constructed, BIM reduces the need for costly mistakes. Second, it improves communication between team members. Third, it provides an accurate representation of the building as it will appear when completed. Fourth, it enables collaboration among different disciplines. Finally, it makes it easy to track progress and manage costs.

### Types Of BIM Projects

When it comes to BIM projects, there are really only two types: the ones that go well, and the ones that don't! 😊 If you're lucky enough to be working on a BIM project that falls into the former category, then congratulations! You're in for a treat.

Joking aside, BIM projects can fall into four main categories: new build, refurbishment, demolition, and historic preservation. Each type of project presents its unique challenges, but all four can benefit from using BIM. Consequently, it is important for architects and engineers to be familiar with the different types of BIM projects in order to ensure that they are using the best tool for the job.

#### BIM for new build projects:

BIM involves creating a digital model of the project, which can be used to generate various types of data such as layouts, schedules and material lists. This data can be used by all members of the project team to improve collaboration and coordination. In addition, BIM can be used to create realistic simulations of the construction process, which can help to identify potential problems and risks. As a result, BIM can provide significant benefits for new build projects. In particular, it can help to improve communication and coordination among the project team, as well as providing valuable insights into the construction process.

#### BIM for refurbishment projects:

The refurbishment of existing buildings is a complex and challenging process, made even more so by the need to update and upgrade existing systems and infrastructure. Building Information Modelling (BIM) can provide refurbishment teams with the information they need to plan and carry out refurbishment projects successfully. BIM can be used to create accurate 3D models of existing buildings, identify potential problems and hazards, and plan refurbishment workflows. BIM can also be used to clash detection during the construction phase, helping to avoid delays and disruptions. By using BIM, refurbishment teams can be sure that they have all the information they need to deliver a successful project.

#### BIM for demolition projects:

The demolition of a building is a complex and dangerous undertaking that requires careful planning and coordination. In order to ensure the safety of workers and the general public, demolition projects must be carefully planned and executed. BIM models can be used to create virtual simulations of demolition scenarios, allowing demolition teams to plan the safest and most efficient way to bring a building down. In addition, BIM can be used to create as-built models of existing structures, which can be helpful in planning demolition projects that need to preserve certain parts of a building. By using BIM, demolition teams can more effectively plan and execute their projects, helping to ensure a safe and successful demolition.

#### BIM for historic preservation projects:

BIM has become an increasingly popular tool for managing historic preservation projects. BIM allows for a more accurate and detailed representation of a building, which can be invaluable when trying to preserve its historic integrity. One of the biggest challenges in historic preservation is ensuring that any changes made to the existing structure will not compromise its historic integrity. BIM provides a powerful tool for meeting this challenge, as it allows for a complete virtual model of the building to be created. This model can be used to test out different scenarios, ensuring that any proposed changes are compatible with the existing structure.

## **How To Start Your First BIM Project**

If you're looking to get started with BIM, there are a few things you'll need to do in order to ensure that your first project is a success. First, you'll need to assemble a team of experts who are familiar with BIM and its potential. This team should include architects, engineers, and construction professionals who can help you to plan and execute your project. Once you have your team in place, you'll need to understand your project goals and objectives clearly. What are you hoping to achieve with BIM? What are your specific needs and requirements? Once you have a good sense of your goals, you can begin to develop a BIM model that will help you to achieve them. Finally, you'll need to put together a plan for implementing BIM on your project. This plan should include training for your team, as well as guidelines for how BIM will be used throughout the course of the project. By following these steps, you can set yourself up for success on your first BIM project.

If you're feeling a little lost or uncertain of where to start, don't worry. We've got your back. Our team at Plannerly is passionate about making BIM simple and straightforward for everyone, regardless of experience level.

If you're ready to start your first BIM project try out our simple and easy-to-use software that will make your next building project a breeze.