# Tejjy - Current and Future Uses of BIM Services

BIM should be a part of a project from inception to demolition in its purest and perfect form. All project participants should use **BIM services**, and information should be moved from one to the next with the ultimate purpose of being given to the owner for facilities management. The advantages will be less if only some parties use BIM or if those parties don't share the information.


**Current BIM Scenario:**

**BIM is used on a various levels:**

- **Basic BIM:** Two-dimensional approach only; no models are created using BIM software; only 2D documentation are produced. This strategy may still use some data, thus it still falls under the BIM umbrella, but it may be difficult to see results.
- **Lonely BIM:** This term, used by the BIM industry, refers to the situation in which one firm uses a BIM program to construct an information model but does not share it with any other firms. Bypassing all potential coordination, collaboration, and downstream benefits, this gives one firm certain internal benefits.
- **Collaborative BIM:** This is where the majority of the sector currently operates. Everyone uses BIM software for their work, sharing models to facilitate teamwork.
- **Advanced BIM**: BIM provides a higher level of collaboration and is used by both the design team and the contractor. While attaining a higher level of collaboration, the projects that dabble in this level of BIM probably have each firm producing their own model.
- **Progressive BIM:** Models are passed between the design and construction teams, and maybe the owner, as well. This more inventive level of BIM would include projects that use integrated project delivery (IPD), as well as projects where models are transported downstream for usage in manufacturing, construction, facilities management, etc.

**Which way is the industry going?**

The application of BIM will shift more in the direction of "new solutions." However, as it does, there are a number of potential uses that, while seemingly impossible, are plausible and might become normal in the future for example robot or mechanical arm laying a brick wall. The following instances are accomplished by extracting information from an information model and employing that knowledge to construct a structure in an original and effective manner, possibly more correctly than conventional building techniques. Further, drones can be erecting a structure, one block at a time and contractors can also be using 3D printed concrete castle.

**What will happen next?**

- Leaving aside idealistic ideals, BIM's significance in the construction business is only growing. What will be the next step in developing **BIM services Maryland** for structural engineers?

- Ideally, building information models and analytical models will eventually be completely integrated or even the same thing at some point in the BIM journey. The change that will have the biggest influence on the structural engineering sector is this one. Interoperability

gets better with each new release of the various software packages. There are several benefits to combine these two modeling efforts since the time spent developing, revising, maintaining, and administering two independent models is a large line item in a project budget. Structural engineers may not be able to influence this, as it depends on potential technological developments in the future.

- The next stage is probably to look at what structural engineers can influence and figure out how to enhance internal processes. This might be accomplished by more fully and effectively exploiting the data that is already there in the information models that are being developed. The unintelligence of a simple sketch is removed, and its place is taken by layers of metadata, enabling the entire design and construction team to exchange information about a structure more correctly and effectively.
- Making use of this metadata is essential for moving BIM forward. A lot of content is often recreated using "dumb lines and text," but was actually taken straight from the information model that had already been created. Efficiencies can be realized in this situation.

BIM was formerly a competitive advantage, but it is now necessary to simply take part in a project. Taking the next step to improve BIM is the new competitive advantage, and structural engineers should not be reactive but rather proactive in doing so, even only to provide feedback as opposed to letting others entirely control the decision. Massive advantages will be obtained both internally and for the project, the sooner structural engineers accept ths technological transformation. Trust in **BIM services**, and commit to work closely with the other project participants. To get **BIM outsourcing services**, contact Tejjy BIM Inc USA at 202-465-4830 or info@tejjy.com.