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## BIM APPLICATION AND CASE STUDY IN TAIWAN

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**ABSTRACT:** BIM is a tool which helps to build a model by integrating all the designs like Structure, architecture and MEP which prevents any kind of design issue. BIM is a package of different software like Revit, Navisworks, Micro station, Tekla, ArchiCAD and so on. It is also known as digital representations of physical and functional characteristics of construction works. In other word we can say it is a process for designing and documenting information on buildings. BIM technology is one of the emerging technologies in different part of world. Despite its short history, BIM has had an increasing growth during the last decade. This is happening mainly due to its capabilities on construction projects. Many designs issue can be solved in pre planning phase by help and use of BIM technology. The BIM model provides platform for information integration. It is helpful for design evaluation and assist designer to verify drawing correctness and consistency. All kinds of information can improve project management level. Therefore, many enterprises are starting to adopt BIM tool, but some of them do not know the BIM series function clearly, because there is no more specific reference to use. This article resource is according to literature review from different references, such as conference and journal articles. The aim of paper is to analyze BIM application and to show so some practical cases of Taiwan to prove how BIM technology is help full for all type of construction industry. The case studies which are used in this paper are real case and self-experienced case of Construction Company in Taiwan.

**Keywords:** BIM, Integration, New technology, Case study Taiwan

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