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Glance at the CAD industry – are we exploiting CAD Technology to the best of abilities? by [Mrinste Adams](#)

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CAD Industry and the definition of “CAD” have changed over a period of time. CAD earlier was limited to creating digital drawings using AutoCAD Software only from rough sketches or hand drawn papers. The very thought of CAD has developed so widely that variety of companies have defined CAD keeping their own thoughts about this technology. With a passage of time, services like Building Information Modeling (4D and 5D), Bill of Quantities, Materials, and Rapid Prototypes and if we talk specifically Data Management side of CAD has taken great precedence over simple CAD Services like paper to cad, 2D Drafting etc. It’s perplexing, but the purpose is not to perplex or confuse the end user. It is the changing requirement and the requirement has arisen on account of increasing need to mechanize the construction process up a great extent. BIM Software like Revit, ArchiCAD etc has automated the construction and data management system to a great extent. CAD Industry came into existence with a purpose of diminishing manual work, duplicacy and time consumption involved in manual execution.

Even though CAD has been around us since a decade or more, we are unable to exploit CAD technology and utilize it to the fullest. Year 2011 is about to end and Year 2012 is about to spread its wings. Will this year prove to be a mile stone in the CAD Industry? Can duplicity of work be reduced? Let’s keep our fingers crossed.

However, still it has been observed that lot of Engineering Companies and Architectural companies are unable to exploit the full potential of these CAD software and technologies. Lot of companies believe in executing projects through traditional methods of Drafting and creating drawings. BIM is still not used in major companies. BIM can reduce construction cost and time to a great extent.

Cad Companies not wanting to deviate and try latest techniques or innovations is a major issue that is prevailing in this industry. Year 2010 and 2011, has been struggling years for CAD Industry on the whole. Major CAD companies struggled and are still struggling to utilize and work on innovative ways to work on latest technologies without ignoring or bypassing traditional ways of project execution.

The year 2011 was better than 2009 and 2010, though 2011 mid-phase did see some drop in Architectural and Construction Industry. Most of Engineering Firms and companies working on CAD projects saw CAD companies saw slow down again in 2011. World Economy did come to a grinding halt again due to debt crisis. Firstly USA and the Europe, such dark clouds always loom on world economies. Construction industry is harsh on new or miniscule companies. Big Players face less trouble during such phases.

It is being touted that CAD Industry will see a growth spurt in the coming year. Several promotional webinars, Seminars are being organized to create awareness about latest techniques and project execution methods. BIM and other automated techniques soon will replace manual intervention for good.

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