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Computer-aided design or CAD refers to the process of designing using computer technology. As yesteryear traditional designing used the process of drafting, CAD drafting also follows the same process with the exception of computer usage. Today, CAD services are possible through a lot of software solutions which either use vector graphics or raster graphics depending upon the requirement of design. CAD services helps user to streamline processes of design, design-documentation and drafting. CAD software has seen a phenomenal rise in success as it finds an important place in many applications across several industries. CAD software is used for 3D modeling and 3D rendering of projects of any scale and complexity.

CAD drafting plays a pivotal role in lowering the development costs, optimization of resources and faster construction. It enables designers and architects to work on all kinds of infrastructure, view it from all angles, make changes and maintain a record for future use. Among the different software applications available for CAD drafting, the most widely used is AutoCAD. AutoCAD is used for CAD drafting in a variety of industries for development of buildings, residential places, capital-intensive projects and animation. AutoCAD is extensively used in the fields of architecture, engineering, construction for creating 3D models of a design, analyzing it for flaws, apply lighting effects and documentation of any information related to it.

AutoCAD is a very useful tool for architects, engineers, designers and builders as it provides key insights on the project's intrinsic characteristics before the construction begins. CAD drafting with AutoCAD produce exact drawings with precise specifications and details as would be in a proposed development project. CAD services provide engineers and designers not only with the right designing tools, but also the ability to virtually build it and analyze it.

AutoCAD also helps vectorization through CAD drafting. Vectorization is the process of conversion of a raster or pixilated image to vector format which is a high quality output. Vectorization in CAD drafting allows a better and more acceptable way of viewing an object. It also enables resizing an object without any loss of quality or increase in file size. Even changes in color in easily possible in vector images.

With AutoCAD, vectorization is possible for a variety of elements through CAD drafting such as vectorization of

1. Technical drawings
2. Maps
3. Logos
4. Building plans, etc.

CAD services using AutoCAD transform raster images into brilliant vector images giving high quality output and enhanced presentation. Today AutoCAD is widely used in industries of architecture, construction and engineering. Right from product designing to intricate mechanical designs, CAD software solutions are used to model complex designs with precision, reliability and utmost quality. This breakthrough innovation in architecture industry has been well-accepted and constant upgradation in this direction is surely going to bring a lot more fun to designing places where we live, play and work.

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Tesla, a CAD Outsourcing Company offering a [CAD Services](#) including CAD Drawing, a [CAD Drafting](#) and BIM services at affordables rates to globe.

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