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THE ENGLISH LANGUAGE FOR THE SUCCESSFUL OPERATION OF CAD PROGRAMS

Language is one of the most important things in human life. Without language we could not communicate, think and correspondingly express our thoughts, feelings and emotions clearly. Language is a means of communication that allows us to socialize not only with our countrymen but also with foreigners. Knowing the language we have more opportunities such as travelling around the world, searching for a better-paid job and better working and labour conditions.

Nowadays, English is the most popular international language. It is learned all over the world. In our country, children are taught the English language since early age because children can absorb new information quickly.

The English language has become a lingua franca of today's world due to its relative simplicity in comparison with other languages. It can be said that this language is present in all business and engineering fields of developed societies. International companies recruit specialists with excellent knowledge of the English language because these employees can bring greater contribution to a company.

The application of all computer programs and, of course, engineering programs require profound knowledge of English. Language is an important thing in engineer's life. Good command of English is necessary for proper operation of programs and for a successful project creation. Some programs, such as AutoCAD, Envisioneer Express, Google SketchUp and many others used in design require sufficient English command.

AutoCAD is the most popular 2D and 3-dimensional system of automated design and drawing. AutoCAD operating is a must for a qualified designer. Initially, AutoCAD was created as a system of automated design intended for 2-dimensional drawings. Design of this system has been developed since 1982. During this time a lot of additions have been created. Early versions of AutoCAD program

used elementary objects such as circles, lines, arcs that compiled objects that are more complex. However, at the moment the program includes a complete set of means which offers complex three-dimensional modeling, work with arbitrary shapes, design and editing 3D-models of bodies and surfaces.

Envisioneer Express is software applied for design of three-dimensional models of houses and flats. One can prepare a dimensional structure plan including walls, windows, doors, roof and stairs. After that, it is possible to convert it into a high-quality three-dimensional model. One can view a house from different elevations and angles and change a view mode from a transparent framework to a photorealistic image. One can also place different elements of interior design.

Google SketchUp is software used for design of simple three-dimensional objects such as furniture, buildings and interiors. This program has many advantages making the work easier and more convenient. Main feature of the program is almost complete absence of windows with presets. Each geometric characteristic is set by a keyboard in Value Control Box. Another important feature is Push/Pull tool availability. This tool allows us to push any plane aside. With a special tool called Follow Me we can move the plane along a previously assumed curve.

Home Plan Pro program is an amazing tool for computer aided design of buildings. Its structure includes a lot of windows, doors and various accessories. A completed project can be printed or e-mailed if applicable. The program is multilayered, contains different metric systems and a huge number of standard shapes.

In the modern world, any person should know at least one foreign language. English takes the first place among other languages being international and more universal. Moreover, mastering English as well as specific computer programs promotes personal development and provides extra opportunities for a successful employment.