DESIGN OF DEVELOPMENT SYSTEM OF SHIP PRODUCTION DRAWING

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ABSTRACT

Construction design process to build a ship cannot be separated from ship construction drawing technology. One of them is AutoCAD utilization as a tool to produce a drawing. In fact, technology has been developed with the special ship design software. For example, Tribon, Ship Constructor, Aotuship, Intergraph, Nupas-Cadmatic, and Aveva. They offer special advantages in construction and production design of ship. The comparison of the software with AutoCAD as a common drawing tool, is better in term of 3D modelling and production drawing. But, it requires a high investment in procurement and some maintenance. Meanwhile, AutoCAD is lower in procurement and also user-friendly. AutoCAD still has weakness specially for drawing process. Some drawing procedures will take a long time, especially in providing production drawing and material list. Therefore, it is necessary to develop some tool and command or code to accelerate drawing process. By maximizing AutoCAD tools and to develop an automatic commands using Visual Basic for Application that has included, it will be able to shorten drawing time, so as to produce an effective and efficient drawing and supporting data.

Keywords : production drawing, material list, AutoCAD, Visual Basic for Application.