COMPUTER SIMULATION OF CLAY PRODUCTS' PRODUCTION SYSTEM

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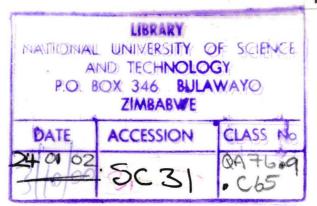
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Synopsis

Many different methodologies and tools are available to supporting manufacturing projects and amongst these is computer simulation modelling. Computer simulation modelling has experienced increased growth in manufacturing industry and this growth is certain to continue. Simulation and modelling is a powerful modelling technique which enables one to see the response of a real system to various inputs, through experimentation with a computer program. It finds application as both a design tool, and decision support tool.

Building and using a factory model can be a daunting task. The sheer size and complexity of most factories makes it difficult to completely view and understand all of the many elements found there. These elements include products, processes, tools, and material handling systems, inventory, and operators. However the goal of any modelling project is to develop a model that reflects enough of, but not too much, of this complexity.

This project is set out to develop a simulation model that will aid in decision making in an attempt to increasing productivity at Clay Products by giving a computer model that will answer set questions as the experiments on the model.

