

ABSTRACT

This Project is developed to present the inventory management of steel sheets supplied for automobile industry by applying the operations research method to the existing system.

The steel sheet inventory management for automobile industry has been proposed because nowadays, many world automobile manufacturers have established their production plant in Thailand to expand their market share in Asia Pacific. The automobile production in Thailand is outstandingly expanding both for domestic and export. The increase of production absolutely effects the raw material preparation. Steel sheet is an important raw material for automobiles. Therefore, the good inventory management of steel sheet for automobile became a critically interested scheme.

In order to develop this project, the inventory models of operations research method were studied first. Then, the most appropriate model was selected to apply in the real situation. Afterwards, the data was inputted in the model to find out the result.

At the end of this project, the conclusion is provided as a summarized overview of this project, and with recommendations for any development for automobile industry in the future.