

Chapter 5 – Discussion and Conclusion

Based on the review made in the previous chapters (Chapter 3 and chapter 4), this last chapter of the thesis will be discussing the result of the analysis we found while making this thesis, on implementing an integrated ERP application into a manual working manufacturing company, TM, together with the conclusion we have by doing this thesis.

5.1. Advantages and Discussion

As stated earlier in this document, MSDGP is an ERP application with a few numbers of benefits to be applied into an ongoing manufacturing business.

5.1.1 Advantages – using integrated ERP application

The benefits of MSDGP is that it is an integrated, reliable, user-friendly and automated application to control, record and documenting all of the company activities for a better information flow, less paper-work, faster ROI, and the most important of all is help in generating more profit to the company. For instance, by using MSDGP as their ERP application, TM accountants will not have to manage to calculate and produce all the financial reports manually, since the ERP application; MSDGP will generate it automatically and updated automatically ever since the transaction being recorded into the application with 100% accuracy in calculation. Per this example, the benefit of using MSDGP does not only affect the accountants, but also affecting the work of other departments' directors, managers and

employees. The Director of Finance or the BOD for instance, will have easier access and more reliable sources to analyze the financial report, and also to make business decision that will benefit the company. At the same time, the company's expense will also be reduced since the salaries and the paper expense of the financial report will be less than doing the accounting works manually, besides reducing the expenses of the company, by having an integrated system in a company, working in a complicated manufacturing industry, would not be that complicated anymore, and the employees will be less tense and feel happier to work and stay with the company. A good or bad, sad or happy, state of mind of an employee will directly affect their productivity level.

5.1.2 Advantages – MSDGP in TM

The previous paragraph is only discussing about the advantages of having an integrated ERP application in TM, nonetheless, this paragraph will discuss the advantages of using MSDGP among other ERP applications, in view of the fact that there are quite numbers of ERP application customized or mass-produced by numerous application designers and creators.

- ✓ MSDGP, unlike other ERP application are a simple, easy and effortless ERP application designed to ease the users, especially for inexperienced users.

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- ✓ MSDGP has the feature similar with the other Microsoft products such as Microsoft office, which has been popular worldwide.
 - ✓ Akin to other ERP application, MSDGP is capable to be customized to adapt with the users in the company, consistent with the business requirements of TM itself.
 - ✓ Beforehand, TM is not using any integrated system or application to distribute or share information or documents throughout the company, and yet is very time-consuming considering that there is only 8-hours of working time per day and the authorities that would be needed to do the authentication might not be available by the time the s/he is needed. Nevertheless, the aforementioned is elucidated by using an integrated Application system such as MSDGP.
 - ✓ Last but not least, the price of MSDGP is competitive to other ERP applications available worldwide, some obstacles might be found in the first year of implementing the new system into the company, conversely in the long term TM will have faster ROI apparently, thus obtaining more profits by minimizing the cost contribution in the company and more efficient working time efficiency within the organization.

5.2. Conclusion

Conclusively, the creation of this thesis is to indicate the capability for TM to install the proposed, integrated ERP system, MSDGP as the main application for business doing in TM operations exclusively in the finance and the accounting area of TM. Even though the cost for TM to be fully installed will cost a lot for TM, nevertheless it will be retaliated within time, since having an integrated ERP application in TM will bring TM faster ROI and faster move in gaining more profits. Furthermore, the fact that MSDGP is essentially easy and simple to be installed, it would be more efficient and effective considering the time limit needed to install MSDGP as the ERP system of TM is short due to less customization needed and less time needed to introduce the new system to the employees, for MSDGP user-interface is similar with other Microsoft products, such as Microsoft office word and Microsoft office excel. The bottom line is that MSDGP is competent to be installed and used as for the ERP system of TM in the future.

5.3. Recommendation

During which this thesis is created, some problems and obstacles could be overcome the making and completion of the thesis such as obscure data gathering of TM's database and short time limitation to analyze and make complete of the thesis. Therefore, in advance of this thesis completion, some advices and suggestions for anyone who will be using this thesis as a guidance and reference in the future, to make a better, deeper, and more accurate analysis in the future.

5.3.1 Recommendation for TM when Implementing ERP Application

- Where possible, more ERP application comparison is highly recommended so that TM will be able to choose the best among the best ERP application available. Thus, will give TM a more efficient and effective system to be integrated all over the company.
- Other than cost consideration, TM should be more considerable regarding the feature offered by the application, since a lower GUI for a system, will cost more in the training session for the employees to use the new system, and vice versa.
- Regarding the data gathering obstacles the author encounter while getting into TM's database, TM should be more amenable, since TM has been one of the most manufacturing company, who accept university interns to work there and get more experience to their university projects.

5.3.2 Recommendation for Others who Wants to Analyze Deeper

- For better analysis than what this thesis offered, an intensive data gathering as well as good corporation with TM will be a very good starting point.
- Some analysis which is not yet been covered by this thesis (Accounting and Finance) and the other thesis which share the same topic and title (Supply Chain and Distribution), the analysis regarding the tire manufacturing itself might be appropriate.

- Besides that, wide knowledge about tire manufacturing is very helpful while doing TM's business process, especially in the Manufacturing area.