

## **CHAPTER 5**

### **SUMMARY, CONCLUSION AND RECOMMENDATION**

#### **5.1 Summary and Conclusion**

After done this project, there are a lot of issues and task requires to be taken into account before the project can be considered done. Purpose of the project is to enable analysis current and control the switch via RF signal when happen any condition expect or unexpected. Using Automatic Electrical Failure Detection to produce problem-solving aids, expect to see a significant improvement in diagnostic lifecycle costs. Automatic Electrical Failure Detection analysis in an automated fashion allows for immediate reuse of information at a relatively small incremental cost, thereby improving time-to-market and cost reductions.

The Automatic Electrical Failure Detection system is a project adapted from the surveillance system technology theist widely use nowadays. The whole project will concentrate on building a system that can operate efficiently and able to perform as it should. This project is to ensure both system; the detection system and the computer able to communicate through radio frequency without any collision data.

From this project, the most of the topics learned through 4 years in UniMAP have been applied. A topic such as Electric Circuit, Digital Analog, Embedded System and Communication System has been greatly applied in this Automatic Electrical Failure Detection project. It gives an opportunity to cover all the knowledge and this can be considered as preparation into industrial world. With the help of project supervisor this project successfully met it main objective.

During the project period, my findings are some of my components are not compatible with the system. There are also certain mistakes that have done which doing the PCB for the system. There is also some weakness of the project like the sensor unable to detect the current although it is a monitoring system. For future planning, it is hope that the system able to fulfill the requirement of a surveillance system also will be the first step in developing a security system with more intelligent and by continually improving it.

## **5.2 Recommendation**

The result of this project described above is in early stages of development. My findings do not yet have enough experimental evidence to know either there is other techniques that work well, and under what circumstances. Clearly, though, there is an opportunity for synergy-for instance, combining the probabilistic method for handling uncertainty with the qualitative model-based reasoning of hiving stone, or adding explicit spatial reasoning to and of the other approaches.

For future, development the system will also be outfitted with more upgraded sensors so that it can give output more constant. The other option available for an expansion phase for the project is by using a hand phone to monitor the system. By using the data transmitter from the system to the hand phone by using Bluetooth signal. Since Bluetooth technology is a must for nowadays hand phone, it is an advantages for the users to monitor the system compare by using computer as monitoring.

## **CHAPTER 6**

### **BUSINESS PLAN**

In business planning is essential in building a profitable, long live business. The opportunity to develop and implement a well defined business strategy is valuable to the business owner, to the customer and community. Business plan renews vision and strategic focus: adding value to the target market segments, the small business and high-end home office user, in the local market. It also provides the step-by-step plan for improving sales, gross margin, and profitability. In order to implement these changes and improve profitability the Automatic Electrical Failure Detection Product, the common goal is production flexibility and cost reduction for end users.

Conversations with end users of competing products, product brochures, industry publications, and trade associations have been the primary source for intelligence in the latter group of companies. It is believed that none of its competition enjoy a broad enough installed base to establish insurmountable loyalty. By interviewing manufacturing managers and purchasing directors at six potential customers who are current users of currently based, in descending order, on the following factors: Product Reliability, Easy of operation, Performance specifications and Price.

During first twelve months, I will establish contact with target customers. All sales in the first year will be made by home office based personnel. My target is to customers who need extra security in their component, which they can monitor by themselves and not depending on security camera only.

For me, I will target a big firm that has influence in business with their influence, I can use it to as an advantage to promote my product to other. I also must hire a worker in

order to smooth the business with client. Since I'm the developer of this project, I only need to hire a worker that managers the client will have full attention from my company and the financial management well managed.