



CRSYTAL SAFETY GLASS (M) SDN BHD

TECHNOLOGY ENTREPRENEURSHIP (ENT600) : CASE STUDY

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- NAME : SITI NURSYAM SYUHAIDAH BINTI SHAMSUL KAMAL
- STUDENT ID : 2019468154
- LECTURER : DR FARAH LINA BINTI AZIZAN

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EXECUTIVE SUMMARY

This project aims to determine how ideas can be implemented in practical situation. Every student at UiTM Arau is required to complete a case study project as part of their studies. So, for this context, I had the opportunity to study a company that developed the same product that I want to create, Crystal Safety Glass, which is based in Malaysia and produces high-quality glass products.

In the first part of the case study report, I was able to gather general information about the company, such as the company's background, technology used, and the various types of glass products that the company produced.

In the second part of the project study, using the SWOT analysis, I was able to identify the company's strengths, weaknesses, opportunities, and risks, as well as determine a better technology framework solution that could be introduced in the company to address the company's current issues.

The problem regarding their product is a non self-healing glasses product such as self-healing tempered glass. As we know, a normal tempered glass cannot be used again once it was broken. This is because the company does not used a self-healing material such as zinc dimethacrylate and zinc disorbate. This type of chemical will undergoes crosslinking itself as it have higher crosslinking activity. The self-healing tempered glass will be able to combine itself when it was broken which means it can be used again even if it is broken. It has an inner layer of optical consistency silicon gel that identifies and fills minor scratches and scuffs in the top protective layer in under a minute. The use of a layer of optical consistency silicon gel as a solution is known to help Crystal Safety Glass in producing high-quality products for their customers, allowing them to continue to expand, develop, and achieve more in the futur



Table 2.1 Achievement by Crystal Safety Glass

2.4 Organizational structure

Organizational structure not provided on the website and online platform.

2.5 Products/services

There are few types of product produced by Crystal Safety Glass such as float glass, tinted float glass, laminated glass and tempered glass. Firstly, high quality sand (silica) and natural ores are used to make float glass. These ingredients are melted along with chemicals at a high temperature. The molten glass is then poured into a tin bath, where it is scattered, polished, and moulded into float glass. The quality of all kinds of goods can be provided according to customer requirements; obvious flaws are strictly regulated. The thickness is between 2-19 mm.