

## ABSTRACT

This project mentions about electronic contract manufacturing that was hired by customers to produce their products. It is very important to design manufacturing layout planning for customers needs and to produce more products to many customers at the same time.

In the competitive world of electronic contract manufacturing, every possible avenue to cost reduction must be sought. In many electronic contracts manufacturing, it is difficult if not impossible to secure competitive advantages any more from any one major factor. Material, machinery, distribution methods, and even wages have become more and more standardized. Increasingly, it is through attention to every detail, which affects costs that management must secure its profit margins. One of these important details is plant layout.

This project tells and shows layout planning how to plan the arrangement to manufacturing. It does not well on principles nor delves into academic viewpoints. Rather, it presents a universal approach and a specific set of procedures to follow for use by the man who is facing a layout planning project and who wants to execute it in a sound, effective and systematic way.

Layout of working areas must be as old as trades and crafts. As factory systems and modern business developed, more attention had to be given to space utilization. The significant contributions with modern industry's recognition of the cost savings that result from sound planning and layout planning have never developed into a clear procedure.