ABSTRACT

The objectives of this study are to examine the logistics business, regional development, trends in the logistics sector and also the construction of automated storage and retrieval system.

The study shows that several trends in the logistics sector have developed over the years. The emerging trend is that one-stop service manufacturers are looking for a logistics partner. Information technology (IT) or e-commerce is another important factor for logistics as information is being shared, as well as it provides a more transparent operating system.

There are demands for services which require value adding to the customer cargo or even taking part of the manufacturer's activity to the logistic provider especially third party logistics. Another interesting trend is towards third party logistics out-sourcing from the manufacturers which would save time and cost, and thereby allowing them to concentrate in their own core competency.

The study also shows that third party logistics operators generally are the ones building automated storage and retrieval system.

A company shared their analysis before investing into the automated storage and retrieval system on project projection, cash flow analysis, area comparison compared with conventional.

At the national level, Singapore has projected the needs and developed the necessary infrastructure such as airport, seaport, roads, schemes & grants, ready pool of skilled logistics professionals and Singapore One (IT e-commerce) to enable the country to become the regional hub for logistics operators and business.