This paper presents the researcher’s study on the vehicle routing practices of a company which provides the delivery of Printed Circuit Board Assemble (PCBA) and electronics component to customers in Bangkok Metropolitan Region and neighboring provinces in Central and East regions in Thailand. Currently, the traditional truck management is being practiced which lacks systematic approach and personal experience.

Inefficient truck management problem in this case study was identified as Capacitated Vehicle Routing Problem (CVRP). Therefore, the savings method by Clarke and Wright (1964) was applied to solve the CVRP in Excel worksheets. It consists of four procedures. Firstly, identify the distance matrix from depot to all customers. Secondly, identify the saving matrix. Thirdly, assign customers to the vehicles or routes, which the highest value is the criteria for selection. Lastly, sequence customers within routes.

The results show that the Savings method decreases the total number of vehicles usage and total distribution distances by 16.46% and 15.70% respectively, and increase truck utilization of truck capacity by 19.70%. It leads to create cost saving for the company significantly.