

## **ABSTRACT**

This project is to create & implement a one stop supply chain solution for Philips Semiconductor (Thailand) Co., LTD. This One stop supply chain will reduce transit time to deliver shipment from 7 days to 3 days to USA. The system is developed from the existing transportation mode.

We have improved the system by replacing all transportation carriers to only one carrier. The appointed transportation carrier will perform one loop network on delivery shipment from manufacturers to end customers. The system is more reliable for commitment transit time and, tracking shipment besides reducing inventory carrying costs.