




BUSINESS INNOVATION CENTRE



Container Tracking & Management Solution



With thousands of containers arriving each day at shipping ports, it is important that there is a complete tracking and monitoring solution which will help ensure efficient operation of global end-to-end supply chains. Recent advancement in wireless sensing and RFID can provide effective means for comprehensive tracking and monitoring of transport containers and their contents.

Business Challenge

Lack of the auto identification and proper tracking mechanism results in numerous problems, including:

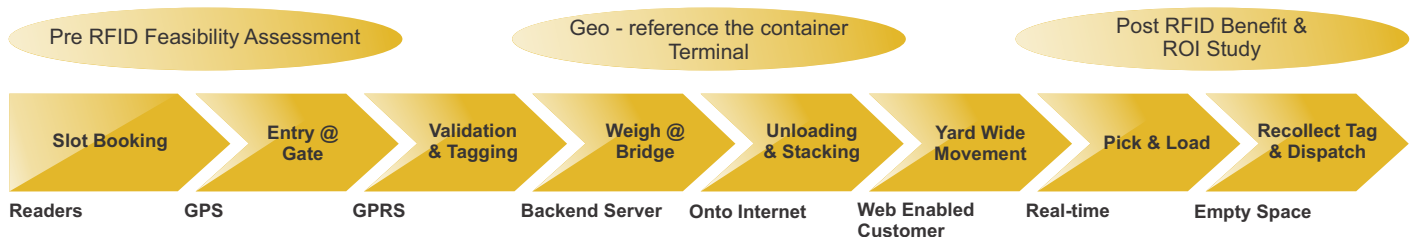
- Unavailability of real-time location of containers, leading to inefficient business processes
- Lack of terminal visibility leads to inefficient planning, resulting in heavy congestion at container terminal causing delay
- Underutilization of terminal capacity due to lack of visibility of empty storage slots, leading to loss of revenue

Our Solution

ITC Infotech offers a feasible solution for automatically locating, tracking, and inventorying containers within a closed loop container terminal operation.

- Web-enabled & mobile enabled Container Tracking and Monitoring System with real-time information about the containers at remote locations
- Instantaneous & automatic assignment of container location following container placement
- Search & route-map to a container's location
- User based web access to manage & monitor containers for the staff
- End-user web access to track associated containers
- Accurate and real-time data using advanced technologies like RFID, GPS and GSM/GPRS and Wi-Fi

Container Tracking & Management System Process



Business Impact

- Greater visibility and control over terminal operations
- Improved Terminal Operational Efficiency through better asset reusability and labor productivity
- Optimal utilization of terminal capacity
- Online access to end customers creates a differentiator against competition
- Terminal Dashboard for real-time data analysis & immediate action
- No recurring costs as cost-effective re-usable RFID tags are used
- Integration with enterprise systems ensure seamless data exchange