

Logistics

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Logistics Industry

The integration between technology and logistics becomes a key for successful planning and transporting of goods from suppliers to consumers. Warehouse management systems, cargo management systems, fuel management systems, shipment tracking systems, etc., are some of the solutions that are enabling logistics processes, improving organizational efficiency resulting in a positive effect on the bottom line. NewCreationIT provides custom software development and IT services that enable logistics.

Logistics primarily involves transportation, warehousing, order processing, inventory control, and material handling activities of goods and services. Globalization and time based competition makes logistics a very critical component in gaining business advantage. We have transitioned from just-in-case, to just-in-time and now to anytime-anywhere delivery of goods and services.

Warehouse Management Software

A warehouse management software system primarily concerns itself with inventory control, product distribution and integration with the shipping process. A suitable warehouse management system can transform warehouse operations into a fully integrated logistics and fulfillment business by enabling order entry from multiple sources, real-time processing with mobile, voice- directed operations, and automating the shipping and billing processes.

Cargo Management Software

There are several features designed and built into a typical Cargo management system. These include (a)Generation of quotations, (b)Generation of pick-up orders (c)Air, ocean and ground shipments & consolidations (d)Domestic, export and import shipments (e)Proof of Delivery (POD) (f)Management of cargo operations (g)Bar coding shipment verification (h)Trade documentation (Air Way Bill, Bill of Lading, Cargo Manifest, etc.) and (i)Cargo tracking.

Other Software

Several other software systems are typically designed and deployed as part of the logistics software. These include:

- Fuel Management Software
- Fleet Management Systems
- Shipment Tracking Software
- Freight Rating Software

Key Technologies

Internet, web and mobile technologies are now a mainstay in logistics management. Advanced IT powered logistics systems enable organizations to offer real time and highly improved customized solutions anytime and anywhere. This improves organizational efficiency with positive effect on the bottom line.

Radio-Frequency Identification (RFID) is another key technology in the logistics area. RFID-based logistics services can make operations more efficient and help organizations build a competitive edge in their market. Strategic benefits in implementing RFID technologies for logistics providers include: (a)Support just-in-time delivery for customers, (b)Guarantee uninterrupted visibility of shipment, from distribution center to destination (c)Optimize internal operations with better management of assets, avoid loss due to theft, misplacement, lack of use, etc.

Geographic Information Systems (GIS) can simplify the task of the routing of vehicles and the management of logistics operations for organizations that service a large geographical area. Some of the processes where GIS becomes relevant include (a)Vehicle tracking and dispatch, (b)Route analysis and planning, (c)Facilities and depot management and (d)Routing and scheduling.

NewCreationIT has significant experience in developing custom applications for the logistics industry. To learn more about our company, our services and how we can assist your business, please contact us:business@newcreationit.com or submit a request online.