

1: Air Cargo Software | Logistics Management Software | Unisys

The Magaya Cargo System is a logistics management software that can revolutionize your business. Discover what is unique about Magaya Cargo System: Quotations, bookings, and pickup orders.

Capital Project Logistics Digital Logistics Loading of a thermal oxidizer at the point of origin en route to a manufacturing plant Procurement logistics consists of activities such as market research , requirements planning, make-or-buy decisions, supplier management, ordering, and order controlling. The targets in procurement logistics might be contradictory: Advance Logistics consists of the activities required to set up or establish a plan for logistics activities to occur. Distribution logistics has, as main tasks, the delivery of the finished products to the customer. It consists of order processing, warehousing, and transportation. Distribution logistics is necessary because the time, place, and quantity of production differs with the time, place, and quantity of consumption. Disposal logistics has as its main function to reduce logistics cost s and enhance service s related to the disposal of waste produced during the operation of a business. Reverse logistics denotes all those operations related to the reuse of products and materials. The reverse logistics process includes the management and the sale of surpluses, as well as products being returned to vendors from buyers. Reverse logistics stands for all operations related to the reuse of products and materials. It is "the process of planning, implementing, and controlling the efficient, cost effective flow of raw materials, in-process inventory, finished goods and related information from the point of consumption to the point of origin for the purpose of recapturing value or proper disposal. More precisely, reverse logistics is the process of moving goods from their typical final destination for the purpose of capturing value, or proper disposal. The opposite of reverse logistics is forward logistics. This includes all activities of the forward and reverse flows. This can be achieved through intermodal freight transport , path optimization, vehicle saturation and city logistics. RAM Logistics see also Logistic engineering combines both business logistics and military logistics since it is concerned with highly complicated technological systems for which Reliability , Availability and Maintainability are essential, ex: A forklift truck loads a pallet of humanitarian aid to Pakistan on board a C aircraft, following devastating floods in the country in Emergency logistics or Humanitarian Logistics is a term used by the logistics, supply chain, and manufacturing industries to denote specific time-critical modes of transport used to move goods or objects rapidly in the event of an emergency. Humanitarian logistics involves governments, the military, aid agencies , donors, non-governmental organizations and emergency logistics services are typically sourced from a specialist provider. Production logistics aims to ensure that each machine and workstation receives the right product in the right quantity and quality at the right time. The concern is with production, testing, transportation, storage and supply. Production logistics can operate in existing as well as new plants: Production logistics becomes more important with decreasing batch sizes. In many industries e. Track and tracing , which is an essential part of production logistics due to product safety and reliability issues, is also gaining importance, especially in the automotive and medical industries. Construction Logistics is known to mankind since ancient times. As the various human civilizations tried to build the best possible works of construction for living and protection. Now the construction logistics emerged as vital part of construction. In the past few years construction logistics has emerged as a different field of knowledge and study within the subject of supply chain management and logistics. Digital logistics is driven by a new generation of web-based, enterprise logistics applications that enable collaboration and optimization, leveraging a central logistics information backbone that provides visibility across the enterprise and extended supply chain. Animals have been used for logistic purposes by different people throughout history; the Roman army in particular preferred mules over donkeys for their moving capacity. The historical leaders Hannibal , Alexander the Great , and the Duke of Wellington are considered to have been logistical geniuses: Integrated Logistics Support ILS is a discipline used in military industries to ensure an easily supportable system with a robust customer service logistic concept at the lowest cost and in line with often high reliability, availability, maintainability, and other requirements, as defined for the project. In military logistics , logistics officers manage how and when to move resources to the places they are needed. Supply chain management in military

logistics often deals with a number of variables in predicting cost, deterioration, consumption, and future demand. For instance, peacetime consumption of ammunition and fuel will be considerably lower than wartime consumption of these items, whereas other classes of supply such as subsistence and clothing have a relatively consistent consumption rate regardless of war or peace. Some classes of supply have a linear demand relationship: Other classes of supply must consider a third variable besides usage and quantity: As equipment ages, more and more repair parts are needed over time, even when usage and quantity stays consistent. By recording and analyzing these trends over time and applying them to future scenarios, the US Armed Forces can accurately supply troops with the items necessary at the precise moment they are needed. The lack thereof can lead to a clunky, slow, and ill-equipped force with too much or too little supply. The term "business logistics" has evolved since the s [18] due to the increasing complexity of supplying businesses with materials and shipping out products in an increasingly globalized supply chain, leading to a call for professionals called "supply chain logisticians". In business, logistics may have either an internal focus inbound logistics or an external focus outbound logistics, covering the flow and storage of materials from point of origin to point of consumption see supply-chain management. The main functions of a qualified logistician include inventory management, purchasing, transportation, warehousing, consultation, and the organizing and planning of these activities. Logisticians combine a professional knowledge of each of these functions to coordinate resources in an organization. There are two fundamentally different forms of logistics: Nodes of a distribution network[edit] The nodes of a distribution network include: Factories where products are manufactured or assembled A depot or deposit is a standard type of warehouse thought for storing merchandise high level of inventory. Distribution centers are for order processing and order fulfillment lower level of inventory and also for receiving returning items from clients. Transit points are built for cross docking activities, which consist in reassembling cargo units based on deliveries scheduled only moving merchandise. Note that subsidiaries will be mostly owned by another company and franchisers, although using other company brands, actually own the point of sale. There may be some intermediaries operating for representative matters between nodes such as sales agents or brokers. Logistic families and metrics[edit] A logistic family is a set of products which share a common characteristic: The following metrics may be used by the company to organize its products in different families: Monetary metrics used include space holding costs building, shelving and services and handling costs people, handling machinery, energy and maintenance. Other metrics may present themselves in both physical or monetary form, such as the standard Inventory turnover. Handling and order processing[edit] Unit loads for transportation of luggage at the airport. In this case the unit load has protective function. Unit loads are combinations of individual items which are moved by handling systems, usually employing a pallet of normed dimensions. Manual picking can be both man to goods, i. Automatic picking is done either with dispensers or depalletizing robots. Sorting can be done manually through carts or conveyor belts, or automatically through sorters. Unit loads are usually assembled into higher standardized units such as: ISO containers, swap bodies or semi-trailers. Especially for very long distances, product transportation will likely benefit from using different transportation means: When moving cargo, typical constraints are maximum weight and volume. Operators involved in transportation include: Merchandise being transported internationally is usually subject to the Incoterms standards issued by the International Chamber of Commerce. Configuration and management[edit] Push-back rack for motorcycles, a LIFO rack system for storage Similarly to production systems, logistic systems need to be properly configured and managed. Actually a number of methodologies have been directly borrowed from operations management such as using Economic Order Quantity models for managing inventory in the nodes of the network. Traditionally in logistics configuration may be at the level of the warehouse node or at level of the distribution system network. Regarding a single warehouse, besides the issue of designing and building the warehouse, configuration means solving a number of interrelated technical-economic problems: Some important constraints have to be satisfied: Although picking is more of a tactical planning decision than a configuration problem, it is important to take it into account when deciding the racks layout inside the warehouse and buying tools such as handlers and motorized carts since once those decisions are taken they will work as constraints when managing the warehouse, same reasoning for sorting when designing the

conveyor system or installing automatic dispensers. Configuration at the level of the distribution system concerns primarily the problem of location of the nodes in a geographic space and distribution of capacity among the nodes. The first may be referred to as facility location with the special case of site selection while the latter to as capacity allocation. The problem of outsourcing typically arises at this level: Distribution networks can be characterized by numbers of levels, namely the number of intermediary nodes between supplier and consumer: Direct store delivery , i. Although configuring a distribution network from zero is possible, logisticians usually have to deal with restructuring existing networks due to presence of an array of factors: Once a logistic system is configured, management, meaning tactical decisions, takes place, once again, at the level of the warehouse and of the distribution network. Decisions have to be made under a set of constraints: At the warehouse level, the logistician must decide how to distribute merchandise over the racks. Three basic situations are traditionally considered: Denver works as a hub in the network. Picking efficiency varies greatly depending on the situation. A number of tactical decisions regarding picking must be made: Note that the logistician may be required to manage the reverse flow along with the forward flow. Warehouse management and control[edit] Although there is some overlap in functionality, warehouse management systems WMS can differ significantly from warehouse control systems WCS. Simply put, a WMS plans a weekly activity forecast based on such factors as statistics and trends , whereas a WCS acts like a floor supervisor, working in real time to get the job done by the most effective means. For instance, a WMS can tell the system that it is going to need five of stock-keeping unit SKU A and five of SKU B hours in advance, but by the time it acts, other considerations may have come into play or there could be a logjam on a conveyor. A WCS can prevent that problem by working in real time and adapting to the situation by making a last-minute decision based on current activity and operational status. Working synergistically , WMS and WCS can resolve these issues and maximize efficiency for companies that rely on the effective operation of their warehouse or distribution center. A single contract for supplying a specific service on occasion Creation of a spin-off Creation of a joint venture Third-party logistics 3PL involves using external organizations to execute logistics activities that have traditionally been performed within an organization itself. For example, if a company with its own warehousing facilities decides to employ external transportation, this would be an example of third-party logistics. Logistics is an emerging business area in many countries. The concept of a fourth-party logistics 4PL provider was first defined by Andersen Consulting now Accenture as an integrator that assembles the resources, planning capabilities, and technology of its own organization and other organizations to design, build, and run comprehensive supply chain solutions. Whereas a third-party logistics 3PL service provider targets a single function, a 4PL targets management of the entire process. Some have described a 4PL as a general contractor that manages other 3PLs, truckers, forwarders, custom house agents, and others, essentially taking responsibility of a complete process for the customer.

2: Benefits of Logistics Automation in a Transportation Management Sy.. |authorSTREAM

Digistics is a holistic and integrated air cargo software solution that allows carriers to streamline cargo logistics and improve their operational efficiencies.

Software for shippers and forwarding companies Modern Design Our product design is always based on the latest MS Office products to allow you a quick start. Intuitive User Interface In addition to modern looks, intuitive operation is of particular importance to us. At the same time, we support all of the current operating systems from Windows 7 to Experts in Logistics Our core competency is the development of IT solutions for logistics and planning within various industries. The Comprehensive Solution for All Your Processes With CarLo, you get the right solution for efficiently planning, controlling and tracking your transports. From the calculation of quotes and order management through to transport planning, freight billing and statistical evaluations. Planning Under Control Optimise scheduling of your vehicles and carriers and create tours based on economic factors. Order Entry and Calculation The Order Management area allows you to quickly record your freight information or conveniently import these data using an interface. Offers and order templates can also be conveniently managed. Powerful billing tools support you in determining prices for your invoices and credit notes. Regardless of whether you simply work with flat rates or complex tariff tables – and if you want to, you can even fully automate this process. Advanced Rights Management Use our elaborate user and role concept to define in detail which data and functions are available to a user. In addition, you can easily manage all relevant settings centrally. All documents are adapted to your needs and printed, e-mailed or transferred by interface – whichever you prefer. Moreover, we gladly integrate your FinAcc system. Overview of Essential Key Figures Extensive evaluations and statistics as well as flexible data visualisation tools with integrated Cockpit functionality help you analyse a large variety of areas. Orders, actual times, status feedbacks, messages, driving times, document exchange, loading unit exchange, tour structures with stop sequences and countless other details are available to you from within CarLo. Further optimise your workflow with the optional integration of one of the many commercially available document scanners and multi-function devices. Please note that audit-proof archiving also requires audit-proof hardware. Your end customers can enter and release transport orders, independently of office hours or specific staff members. Take a look at your warehouse online and view your current stock balance. Enable your partners to check the locations of their consignments and to view their individual statuses at any time. Corresponding user accounts can be generated automatically. Further Options Automatic Tour Planning For larger fleets and order numbers automatic tour planning takes care of the entire pre-planning of tours – always taking into account numerous restrictions Graphical Transport Planning Graphical transport planning with a resource usage plan, restriction checks and fully automated event notifications for delays, etc.

3: Logistics - Wikipedia

Logistics management is a supply chain management component that is used to meet customer demands through the planning, control and implementation of the effective movement and storage of related information, goods and services from origin to destination.

Modules The futuristic haulage work flow management solution “Cargocloud - developed with keeping an eye on entire work flow. Scrutinizing through loads of pages to understand how well business is doing, is rare for management people. Well, swift way to summarize business at a single glance is representation of data in form of dashboard and reports by the logistics management software and the transport management software. It has been divided into six major modules for the ease of operations. Account Management Payment regarding operations are managed with various voucher, MR Report Management Reports can fetch the information from operations, account and billing modules Back-End Management Back of the whole system is managed by master and utility management Need not to invest in IT infrastructure, integrate your branches network and manage your business operations with just a PC and internet connection. Integrated Online Accounting We have already integrated accounting together to offer an end to end paperless solution. Hence no need to manage separate accounting software. No User License Fees Cargocloud is Web-based so Transport Operators, Internal staff, drivers, sub-contractors, accountant, most importantly their customers can all come onto the system for free. Total Transparency Information is at your fingertips. Lowest Business Overheads Work operations can be done with minimum resources and manpower, with maximum control over the process. This alone plays significant reduction of business overheads and cutting cost. Spectrum Of Features Online back-end admin panel, master data creation and editing, account management and MIS reports are few on the list. Mobile Application Mobile application consists of few modules of web portal for remote operation. Dashboard Dashboard shows statistics for Total LR Lorry Receipt Lorry Receipt is part of transaction management module General Voucher General voucher is part of payment management in Account management module. Survey Form Survey forms helps users to fill in details remotely from any place

4: Hermes | Cargo Management Systems

Hermes has been developing and evolving cargo management systems for the air cargo industry since Hermes systems are built with the specific needs of air cargo handlers and airlines in mind and are amongst the most versatile and sophisticated around, streamlining ground handling processes and focusing on maximising profits and using inbuilt best practice to reduce handling errors.

This system is quick and reliable. It stores significant data to the web tracking module in bulk and volume by simply saving in CSV format and import to the system. This sufficiently reduces the margin of error in your business as well as the need for labor-intense workflows. Customizable Tracking Details WPCargo allows you to track your shipments using a customized tracking result. You can add your logo, personalize the page headings, colors, fonts that matches the look of your business brand. Customization also extends to the online tracking functions to meet the specific needs of the customers. Features WPCargo provides digital signature tracking confirmation for parcel, package and shipment delivery. Client Accounts Add-ons Clients can view all their shipments at the front-end and easy to add a user at the back-end. Requires WPCargo plugin to work. Print Add-ons Customize print shipments details on admin dashboard and allows the client to print their own shipments. Shipment History Add-ons Add a shipment History details on your shipments. Email Add-ons Add a setting that will send an email everytime it updates the shipments. Online Booking User can book orders in front end with easy and user friendly interface. We can customize what you want like connect to a payment gateway similar to strip. Request Quotes User can request quotation for the packages or delivery and admin can manage requested quotes from user and add cost and total to the quotation. Collection Point User can send their products in distribution center and act as your collection point. It has inventory of the products sent and products delivered. Multiple Packages Allow users to add more packages and package details width, height, length, weight in one shipment and one tracking number. Container Management Group your shipments in one place. Custom Field Manager Can add unlimited data in your shipment details. Receiving Barcode Scanner Shipment Update Using your barcode scanner, you can update your shipment history. This is much more efficient than manually adding it one by one. Invoice Management Invoice your user and send to their email and can be paid using Stripes, Paypal or Cash on Delivery. Reports Report all shipment status, date range or by user. Shipping Services API With our Shipping Services API, you can create shipments, print shipping labels, request a pickup, track and trace and attach additional documentation to your shipment from your own system. This enables you to provide your customers with all the needed functionalities for shipping.

5: Transportation and Logistics Management | American Military University

Logistician offer tailored logistics planning services spanning the whole global logistics industry; our extensive supply chain management expertise, built over a decade in global logistics delivery mean we can meet highly specific transport and logistics planning requirements across sectors.

6: Best Logistics Software - Reviews, Pricing & Demos

Welcome to your logistics management system.

7: Hermes in cargo systems contract win at Hyderabad airport Ç€ Air Cargo News

CARGO SYSTEM. The Cargo System is a Logistics Software designed for international freight forwarders, NVOCCs, consolidators and forwarding agents, couriers, warehouse providers, and cargo airlines who require a complete and accurate warehouse management system combined with a fully-integrated accounting system.

8: Logistics Management System - Ruptela

The international air cargo market is \$40 billion a year and it is still the combination carriers that dominate. Growth in air cargo anticipated to exceed passenger.

9: Logistics Management

WISE by Royal 4 Systems is a rules-based warehouse management (WMS) system that is able to support a number of industries, including 3PL, automotive, food and beverage and industrial machinery.

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