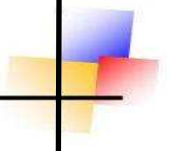



Web software application for Shipments



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The system

Shipment.web is an integrated system (“hardware and software”) that allows the user to schedule, organize, manage, perform and check the management of shipping papers, internal logistics and handling in airports. Its design and implementation use the most recent technologies both for software development solutions than for radio communication infrastructures.

The whole system has been designed in “Java”. It is completely web born and integrated into the E.R.P. application (Enterprise Resource Planning) called “**E.G.G.s.web**” (**Enterprise Governance Global solution web**) which is:

- ✓ *new*: designed and implemented with Java technology (that means it is completely “web born”). It can be used both in the “internet” than in the “extranet”; it allows the company to communicate with all authorized users both inside (personnel in the head office) than outside (agents, resellers, customers, suppliers, personnel outside of the head office and so on)
- ✓ *modular*: it is composed by a series of single application modules that are autonomous and linked together and they can be progressively implemented in time
- ✓ *simple*: designed and implemented in order to be user-friendly with an online manual and its use is intuitive thanks to a relaxing and winning ergonomomy
- ✓ *safe*: it has been designed and implemented to allow all different security policies, it allows a safe transport of information also across the “internet”
- ✓ *flexible*: it has been completely designed and created using a scalar technology. It allows the user to follow the corporate growth, conforming to the new needs
- ✓ *parametric*: it has been designed and implemented to be easily “updated”. It allows the user to change functional aspects of the information structure, without programming interventions
- ✓ *conservative*: it has been designed and implemented to use the most common operating system and “databases”, it allows the user to use again hardware and “databases” currently in use in the company
- ✓ *multi-company, multi-language, multi-currency*: it has been designed and implemented to communicate with the outside, it allows the user to work with different companies, currencies and languages in function of needs.



Web software application for Shipments



benefits

The system rationalizes all activities connected with shipping papers and it allows the user to

- ✓ *optimize users' activities:* in function of shipping papers, it allows the user to optimize times and terms of their fulfilment
- ✓ *avoid wastes of time:* once the type of shipment has been decided (by air, sea or ground), the system suggests to the user only data requested by that type of shipment and also the related prints will be customized
- ✓ *complete fulfilment of custom papers:* the system allows the user to insert all data needed by customs in order to fasten up shipment transit times
- ✓ *integration with the corporate accounting system:* costs and sales proceeds inserted in papers "feed" directly accounting modules in sale and purchase invoices. Especially you can automatically fill in AWB and House modules for air shipments and get statistics
- ✓ *get customized lists:* according to the customer, the type of shipment and so on, the system suggests automatically the related list
- ✓ *manage goods handling:* the Import handling allows the user to manage all information about the flight, its charge (ULD – Unit Load Devices and its related AWB – Air Way Bill) and its status, starting from the receipt phase and verification up to the delivery to the consignee. In this way this application answers completely to all carriers' and Customs' needs. It allows the user to check and notify immediately every possible irregularity to the departure yard and Customs (irregularities file). The Export handling allows the user to manage the flow of shipments since their receipt. It can manage also the status of goods, of the flight, the progress in charge preparation (reservation, preparation and returns) and the related documents and it can manage effectively all faults that may be advised during standard activities.
- ✓ *manage document handling:* it is part of the physical handling, and it is completely into the operational flow. It supports simply and effectively the whole process. It allows the processing of documents and administrative activities (collection of assigned rents and other expenses matured as final version, summary of collected expenses and shipments in stock, according to dates fixed by air companies).
- ✓ *manage integrated logistics:* it allows the user to manage automatically the stocking and the goods handling. It allows the user to schedule and perform checks on goods handling both incoming, than outgoing, than in the inside. It traces and process automatically information like: where



Web software application for Shipments



to locate the product or where to find it for its pickup. It allows the user to get a backward traceability of the product every time he wants and it allows the user to generate the customs tabulation (status of goods in the warehouse relating to income, outcome and stock). It is completely integrated with instruments like: handheld terminals, radiofrequency, optical barcode and/or tag readers, tag printers.

- ✓ *manage data exchange*: this application is integrated with air companies' information systems through the management of messages in line with IATA Cargo-IMP standards. In this way it integrates in the best possible way global information flows, improving further the service and effectiveness achieved. The product integrates then with ARCO Easy system for the acquisition of data related to flights and goods.
- ✓ *interface with any operational system*: the departmental database and every operational database in the company can exchange information in a bidirectional way, assisting times and results to both structures

The system has been designed to make easier the daily work of all operators involved in shipments, thanks to an easy and effective procedure that allows the user to

➤ optimize the management of shipping papers

➤ reduce costs

➤ improve the customer service

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features

Principles followed in the design and implementation of this application are

- adaptability to different corporate situations
- the application must be user-friendly
- information must be consistent

and they determine features like

- ✓ *management of papers and master papers:* the management of shipments is a document that allows a complete description of the transport so that the operator can print all documents needed to its performance (shipping orders, delivery reports, return of documents, awb/house, tags and so on). This paper allows the insertion of all different people involved in the shipment (senders, consignees,...) and the operator can also print the documents, they need. If the shipment is very complex this software gives the possibility of inserting a superstructure to papers called "Master" which is basically a group of different papers needed to get prints and groups of budgets of different papers. This paper becomes also the base for the active and passive invoicing and it allows the insertion of the subpaper in other words the part of shipment that should be invoiced to a customer or the part of shipment granted by a supplier. Then in the invoicing the operator can insert costs or sales proceeds in a specific shipping paper and this software inserts automatically the related subpaper in order to have the correct budget for that paper.
- ✓ *management of shipment registries:* the system allows the user to manage autonomously the registries related to all different types of shipment. Data are related to airports, air-companies, terms of return, means of transport, currency, package, weight and so on. Every datum is defined through a group of optimal features for a correct and flexible use by different realities.
- ✓ *management of offers:* this software allows the operator to prepare offers to customers for shipping route and in the same way it allows also the user to manage requests of offers from your own suppliers. The navigation through these documents is very simple since offers can be searched through key-words
- ✓ *print of shipment orders:* the system allows the user to print papers. Every print is customized according to the shipment sector and the tags on prints may be displayed in the language chosen by the user.



Web software application for Shipments



- ✓ *full management of custom papers*: the system allows the user to insert data and description that are useful to expedite the filling of documents requested by the custom.
- ✓ *filling of AWB/House modules for air shipments*
- ✓ *possibility of different header for the shipment*: the shipment may be headed to any subject, consignee, sender, consignor or addressee. Then, every paper can be managed with specific fields for every single shipment.
- ✓ possibility of comparing the paper budget with the related summary when the paper has ended
- ✓ possibility of getting statistics for country, city, subject involved in shipments and so on

Web software application for Shipments

configuration

- ✓ platform
- operating system : Windows, Unix, Solaris, Linux
- development language : Java
- database server : My SQL/SQL Server/Oracle

