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Share capital € 50.000 fully paid-up

“LOG.web”
LOGistics.web

“LOG.web”

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COMPUTER PROGRAM

THE STATIONERS’ HALL REGISTRY
Registered No. 3115711, 26th July 1999

Registration Certificate

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What it is

"LOG.web" is the application software designed to solve all problems of companies that need to handle and locate materials in a warehouse.

The system allows users to
- ✓ schedule
- ✓ perform
- ✓ check

the handling and the location of materials in a warehouse.

This software uses advanced technologies both for programming than for communication and it is integrated in a "ERP" (Enterprise Resource Planning) system called **"**E.G.G.s.web" (Enterprise Governance Global solution.web) which is:

- ✓ new: designed and implemented with web-born technology, developed with Java language. That means that it can be used both in the "internet" then in the "extranet". The company is always in touch with its enabled operators both inside (employees) than outside of the head office (agents, resellers, customers, suppliers and so on)
- ✓ simple: designed and implemented to be user-friendly. It comes with an online manual
- ✓ safe: designed and implemented to allow the setting of different security policies. Information can be safely exchanged also through the "internet"
- ✓ modular: this software is composed by a series of single application modules that are linked the one with the others and they can be implemented progressively in time
- ✓ flexible: scalar technology that allows the system to follow the corporate growth in order to be always in line with new corporate needs
- ✓ parametric: designed and implemented to be easily changed by users. There is no need of a programmer but users can change functional aspects of the system by themselves
- ✓ conservative: designed and implemented to use the most common operating systems and "data bases". Companies can use again their own "hardware" devices and "databases"
- ✓ multi-company, multi-store, multi-department: designed and implemented to communicate with the outside. Users can work with different companies, stores and departments in function of their needs

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This software takes advantage of a series of handheld terminals, equipped with an optical reader and connected in radiofrequency. They are used by operators to be informed about activities to perform and to communicate the progress of their activities to the head office.

The radio infrastructure, which is used at 2,4 Ghz, guarantees that the system has no troubles and problems in data communication.

The software interface on terminals has been designed with "Java" language: that is a guarantee of excellent performances in terms of speed and independence from hardware devices. This is due to the fact that the terminal must be just equipped with a browser that supports "java-script" (however this is a common features to all terminal with "windows ce" or "pocket pc" as operating systems). The system set-up is very easy since there is no need of installing any additional software on portable terminals!

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benefits

"LOG.web" rationalizes all activities related to the handling and location of materials in a warehouse and it allows companies to

- ✓ avoid "data rewriting": the handheld terminal supplied to operators collects data that are no more written on a piece of paper but they are transferred directly to the central system with no need of a further rewriting by people in the head office
- ✓ avoid errors: the fact that data must not be written again avoids final errors and also data suggestion done by the handheld terminal limits errors since the beginning. Then the use of handheld terminals and "bar codes" allows operators to check constantly the correctness of performed activities
- ✓ avoid wastes of time: no need of data rewriting means less wastes of time, too. Data suggestion done by handheld terminals limit wastes of time since the beginning. Then the automatisms in the information system (for example: stock of items according to their location in the warehouse, route to follow for material pick up and deposit and so on) avoid both researches than unuseful wastes of time due to manuality
- ✓ no need of additional employees: the fact that there is no need of data rewriting means that there is no need of people involved in such an activity
- ✓ avoid manual checks: handheld terminals allow prompt checks on data collected by operators and also the central system performs "checks on checks"
- ✓ check operators' job: users in the head office can manage and check the effectiveness of every operators' job
- ✓ optimize operators' productivity: automatisms integrated in the information structure make operators more confident and less subject to errors or wastes of time
- ✓ use the full space of your warehouse: the system's handling of materials and the automatisms for checks allow operators to use and take advantage of the full space of the corporate warehouse in real-time
- ✓ reduce costs: no errors, no wastes of time, less dependence from operators as well as the knowledge of wastes that comes from sensings done in all different processes allow the company to reduce costs
- ✓ trace and backtrace material: Data collection for materials' handling is the base for materials' traceability and backward traceability
- ✓ consult information through the internet: operators, customers and suppliers can consult in real time information they need using the Internet if they are authorized to

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People in charge for logistics face constantly problems connected to their corporate position. Basically they need the highest degree of flexibility, quickness and security of interventions.

"LOG.web" speeds up and simplify operators' job thanks to a simple and effective structure that allows users to

- optimize the operational speed, check and information
- improve the service
- reduce costs

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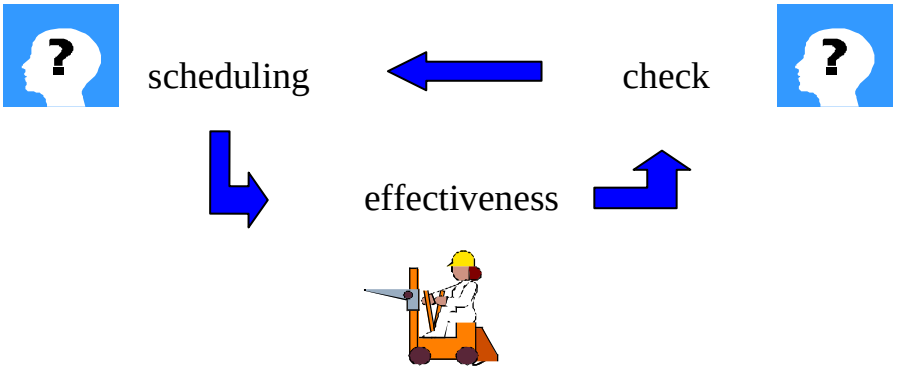
logic

The whole system is based on the following logic



where we can distinguish the person "who schedules" activities, the person "who performs" scheduled activities and the person "who monitors" them.

This structure highlights that the system can be made as sophisticated as the corporate needs in terms of subdivision of activities.

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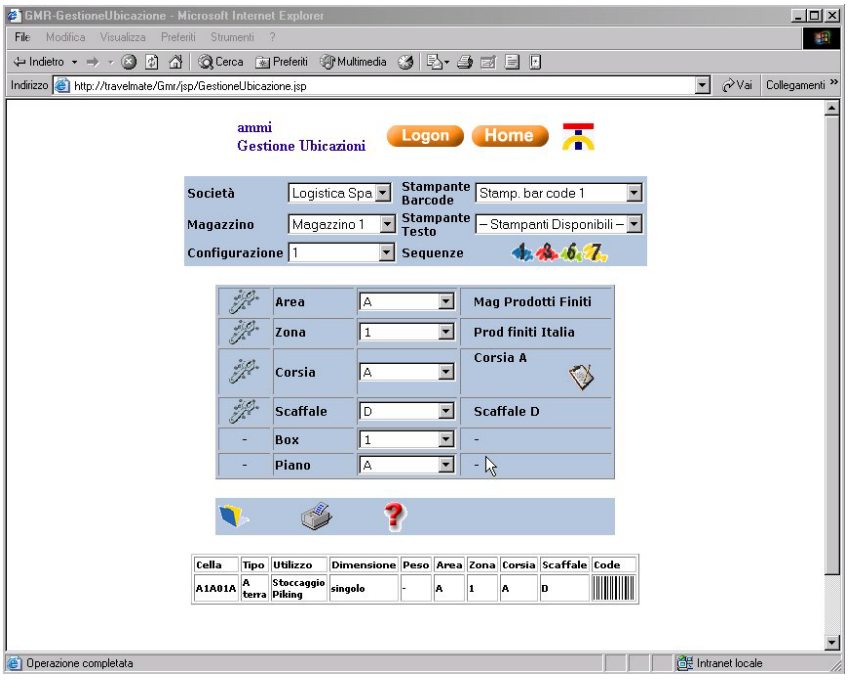
features

Principles followed in the design and implementation of this software are

➘ it must be adapted to different corporate realities
➘ it must be user-friendly
➘ information must be consistent

and they determine features like

- ✓ integration with the corporate "operational software": this structure can be integrated (in "EGGs.web") with tax accounting, management check, "business intelligence" applications, quality system, traceability and so on
- ✓ multi-company and multi-warehouse: this software allows operators to work with different companies and different warehouses at the same time
- ✓ security: this instrument can be completely configured by users in terms of administration of access policies. The system manager can define and manage groups of operators and operators, information they can access and the "default" settings for every operator/group
- ✓ warehouse mapping: the system allows users to create automatically the configuration of the stocking units that better describe the structure of the corporate warehouse. Users can freely select and assign locations like: area, zone, aisle, shelf, box and floor



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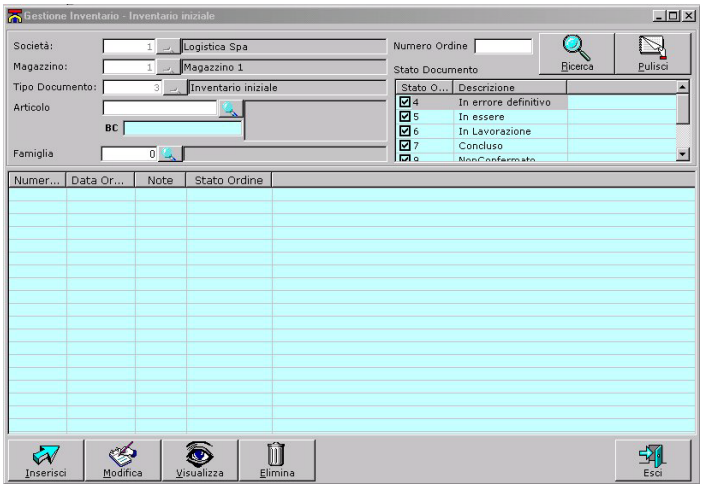
Every box can be defined by some parameters that describe its features like type, use, sizes and weight. Users can define bonds in the content in order to optimize functions for the proposal of locations in all different activities

- ✓ incoming movements: the system allows users to manage operations for the income of goods in the warehouse using Handling orders. They can be generated by a scheduling or inserted by exception directly by the people in charge of the warehouse. Materials are identified using their barcodes and recognizing their packaging, stored in a proper location.
  Typical managed movements are
  - incomes from purchase
  - incomes from outsourced job
  - incomes from repair
  - incomes from return
  - load from production
- ✓ internal movements: the system allows users to manage automatically and in real time all internal movements to the warehouse due to
  - loads from production
  - movements
  - "picking"
  - inventary for item
  - inventary for location

  All operations can be monitored in real time by people in charge of the warehouse.



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- ✓ outcoming movements: the system allows users to manage all outcomes using drawing or reservation lists. People in charge of the warehouse can create "missions" to assign to the queues of operators for material's pickup and its following shipment.
  Typical movements, that are managed, are
  - preparation of the shipment
  - load of vehicles
  - outcoming goods for the sale
  - outcoming goods for outsourced job
  - outcoming goods for the repair
  - outcoming goods for returns

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configuration

- ✓ platform
  - operating system : Windows, Unix, Solaris, Linux
  - development language : Java
  - DBMS : My Sql/Sql Server/Oracle