



*Every
organization is
different*

*Full matching
everyone's needs
makes the
difference*

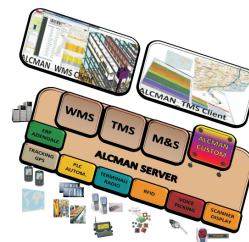
Supply Chain Execution

ALCMAN is the result of twenty years of expertise in the industry and logistics areas, offering consulting, vocational training and software facilities for Supply Chain Execution.

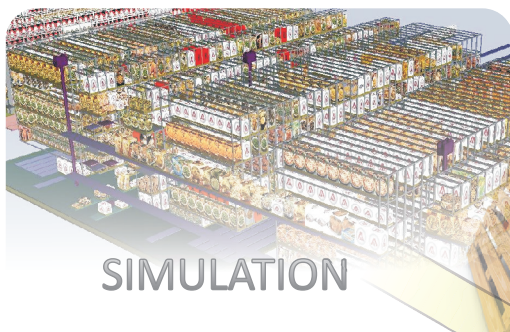
Our strong specialization in Operations leads us to successfully focus on details of every organization in the diversified world of materials handling, where physical and management constraints require great functional coverage and flexibility.



**ADVICE &
TRAINING**



SOFTWARE



SIMULATION



WAREHOUSE



DELIVERIES

Material handling management with hard copy, WiFi terminals, automation, voice-picking, RFID

Delivery service and costs optimization

Processes Simulator for design and test operations management systems

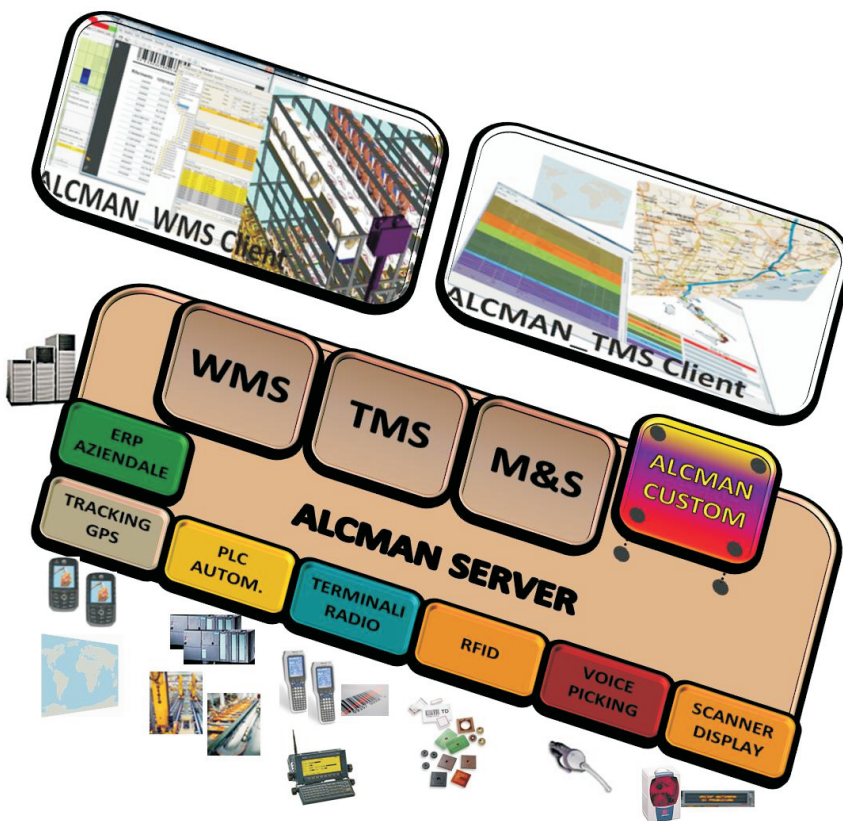
Suite software Alcman products for Supply Chain Execution has been created with innovative conception. Industry standard products can be customized for every needs, just configuring the **AlcmanCustom** plug-in.



AlcmanWMS (Warehouse Management System) for materials handling, WiFi, automated warehouses, and **AlcmanTMS (Transportation Management System)** for transportation and delivery, lead to the maximum service level and efficiency, reducing operating costs.

All state of the art technologies, mobile radio networks, Voice Picking, RFID, automation, trip planners, tracking GPS, etc. are integrated in a complete package.

3D Modeling and Animations for physical environment are core functions for both operations management and, before that, logistics system design. **AlcmanM&S (Modeling & Simulation)** is a powerful process simulator, that can check performance expectations, perform a complete test, have high reliable releases and, finally, compare expectations with final performances.



A complete functional coverage and management policy carried out with great attention to the customers' demands

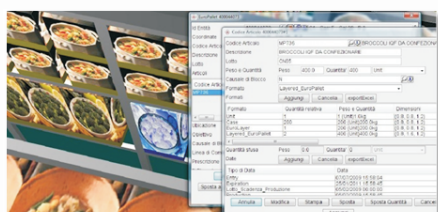


Warehouse Management System

Warehouses are as old as men. They have had such a fast evolution that they are becoming the core of service. Their basic functions are still the same, but different operating methods for trade, automation level, customized services make this environment very heterogeneous.

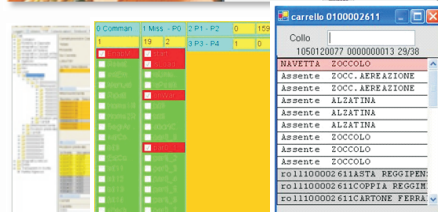
AlcmanWMS is a software conceived to manage operations for every warehouse.

A performing and powerful internal model which can create unlimited functions, policies and customizations



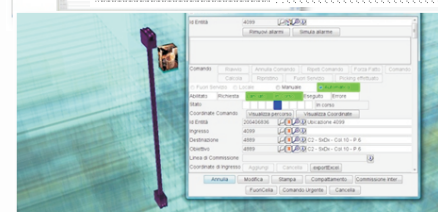
Entities

Physical items with access and interaction methods
Shelf, pallet, box, truck, ground area, etc.



Orders

Actions on Entities to change status
Move, trip, picking list, physical events, automated commands, etc.



Resource

Entities executing Orders on other Entities through interfaces
Transelevator, shuttle, forklift, truck, etc.



Politics

System or local rules for order executing
Plant layout, FIFO, batch or order picking, stock and replenishment rules, etc.



Info

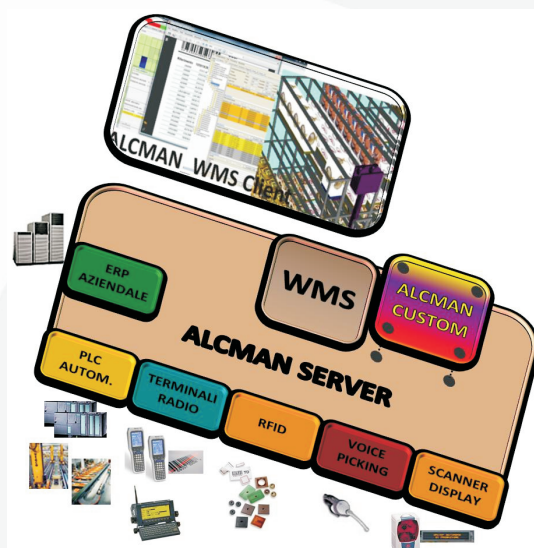
Graphics interface and system status reports
PackingList, inventory, WIP, reports, event logs, performances, alarms, etc..



From the simplest to automatized warehouse for all services and industry sectors

ALCMANWMS connects radio mobile networks, Voice Picking, RFID, automation, web technologies and every industry ERP.

3D Model and animations together with simulation environment allow complete testing cycles for full reliable releases



- + Service level**
- + Performances**
- Operating expenses**
- + Control**
- + Decision support system**

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Transportation Management System

Order to execute, appointment to agree, transportation capacity to get and fill up. Also, route optimization, production and normative constraints, last minute changes, and, above all, a service level to be guaranteed. Was load and delivery plan, today, as best as possible?



"Trucks usually run half empty"

ALCMANTMS leads you to the goal: increasing capacity saturation, less expenses, requested service level.

Powered by mapping and routing software leaders, completely interactive, extended to delivery plan tracking, it's the core solution for delivery office.

If connected to ERP it can improve production planning for a global optimization of logistics system.

Delivery logistics is the last step of your supply chain. It links you to your Customers. It's what they know about you.

Life is not easy in the Delivery Departments



Transporting costs are the same either for empty or full load. It's not easy to start with full load as much as to plan shorter routes with an half-empty capacity. Increase the saturation can help you to increase your profit and respect the environment.

Every day a different project with great economic and environmental contents



Get your Customers by a green way

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Are you interested to a free test plan? Call us!

Modeling & Simulation

A process can be properly managed only if its model is right and complete, both at design and at work stages.

ALCMAN M&S is the basis of Alcman solutions for Supply Chain Execution, providing product/service facilities for logistics advisors and designers



Before to know how, it's needed to well define what has to be managed

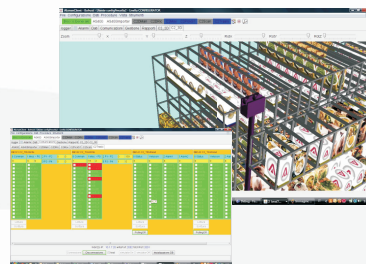
3D Modeling and Animations Design and Testing Systems

Alcman solutions describe the environment to be managed with a 3D representation, with dynamic parameters and real resources performances. They can be animated to show their physical behavior.

These features give to operations management a powerful user interface, but they are more valuable at design and test stages. All external event-generators devices can be simulated, allowing a complete test of both logistics solution, and Alcman software that manages it. Also, once the system has been implemented, you can report and compare real with expected performances.

Ex. Stacker simulation in an automated warehouse is implemented simulating events of its PLC.

Command triggering and its visualization are completely the same to the ones that will be used later by operations management system, when the plant will be implemented



Working day simulation in batch or on-line mode

Design and simulation Model
The same Model for operation
management, checking performance

Events for simulation:

- Historical data (batch mode)
- Data received in parallel from actual management systems (on-line mode)

It's possible to simulate full working days, accelerated if in batch mode. The result is a correct operations design and performance evaluation, and a complete operating management software test.



Design
Simulate
Test
Implement
Manage

Are you a consultant, designer, customer? Call us!

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"Those who fall in love for practice without science are like an helmsman who gets into ship without helm and compass, that never knows where he's going to. Practice always has to be built over good theory"
Leonardo da Vinci

CONSULTING

A good organization is the key for success. For an advisor, to analyze and optimize physical operations, to design warehouses, production plants, distribution networks are interesting tasks. He has to take care of all operating details, missing even one of them can cause big loss of performance. At the same time, he has to know in depth the strategies of the company, to design system for today and for the future, trying to avoid bottlenecks. Logistics Operations Consultancy means to have this operating and strategic abilities. That is ALCMAN's job.

LOGISTICS CHECK-UP

DESIGN
Warehouses
Production Lines
Distribution
Networks

TRAINING

TECHNICAL SUPPORT

VOCATIONAL TRAINING

Thanks to its great experience in consulting and implementation, ALCMAN organizes training courses on the Supply Chain Execution (logistics, warehouse management, deliveries, materials handling). These courses are promoted by public and private organizations as well as trade-unions. Course level ranges from execute to operating, from post-bachelor specialization to staff redevelopment. The method is oriented to best practices in market segment. Visual features of ALCMAN software make it useful as powerful educational means to study real cases.

TECHNICAL SUPPORT

ALCMAN guarantees full technical support to installations in requested shifts. Also, it can provide you with continuous assistance in case of unexpected operating cases, in info retrieving and interpretation about relevant events and data, and everything that can transform them in decision support information. ALCMAN is designed to allow external partners and Customers to directly configure policies to match organization developments, with our full support. This is our goal. An aware Customer is a satisfied Customer.

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