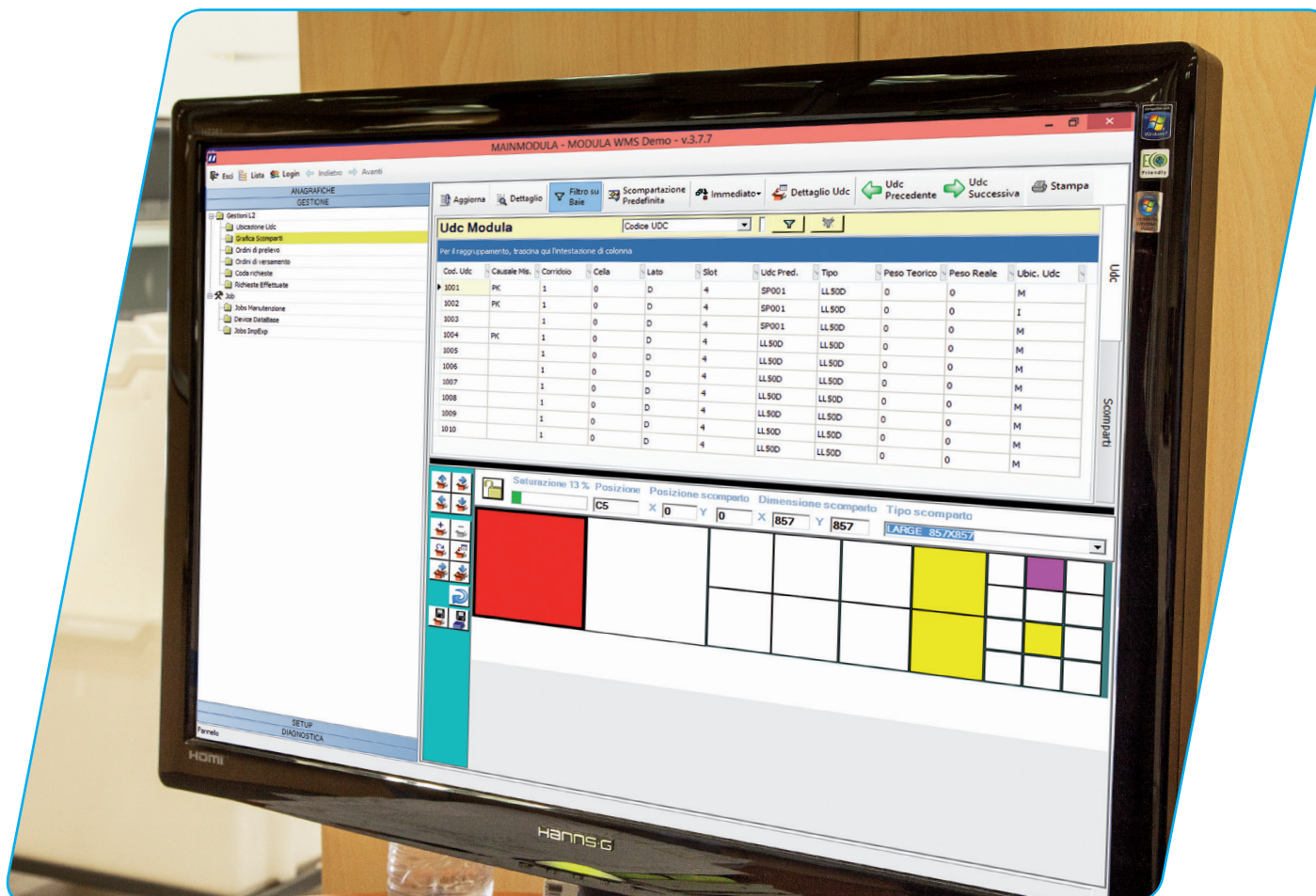# MODULA
WMS

WAREHOUSE MANAGEMENT **SOFTWARE**

SYSTEM
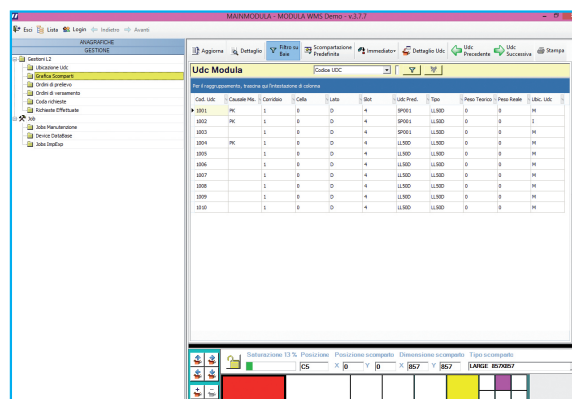### Logistics

Modula WMS ⏭⏭

Modula WMS software is a warehouse management package ideal for automated storage equipment, such as MODULA VLM's as well as with conventional storage methods (manual areas with shelving). **Modula WMS** software is able to be used as the perfect compliment and addition to MODULA VLM's for additional management or as stand-alone software tool for your warehouse.

Modula WMS software has been developed from System Logistics' multiple years of experience in the integrated management of warehouses. It is designed using the most advanced technologies available and makes use of international best practices in software design and storage automation.

Advantages of using Modula WMS

OPTIMIZATION

The ability for static or dynamic storage compartment configuration and management saves time and eliminates redundant procedures.

TIME SAVINGS

Visually guided indicators to the user improve order execution times for both picking and replenishment operations, all with complete item traceability.

CONTROL AND EFFICIENCY

Using your data to the fullest potential in order to improve overall performance.

- Repetitive tasks and procedures are automated.
- Well planned material movements.
- Reduced picking and replenishment errors.
- Substantial reduction to paperwork and processes required.

INTEGRATION
TO YOUR HOST SYSTEM

Modula WMS is easily integrated to your ERP (SAP, Oracle, Microsoft, etc.), MRP or any other enterprise-wide applications, providing an accurate and continuous exchange between your systems and Modula WMS.

CONFIGURABILITY

Modula WMS is easily adapted to existing corporate software systems and organizational needs. The result is minimal impact to current procedures and preferences.
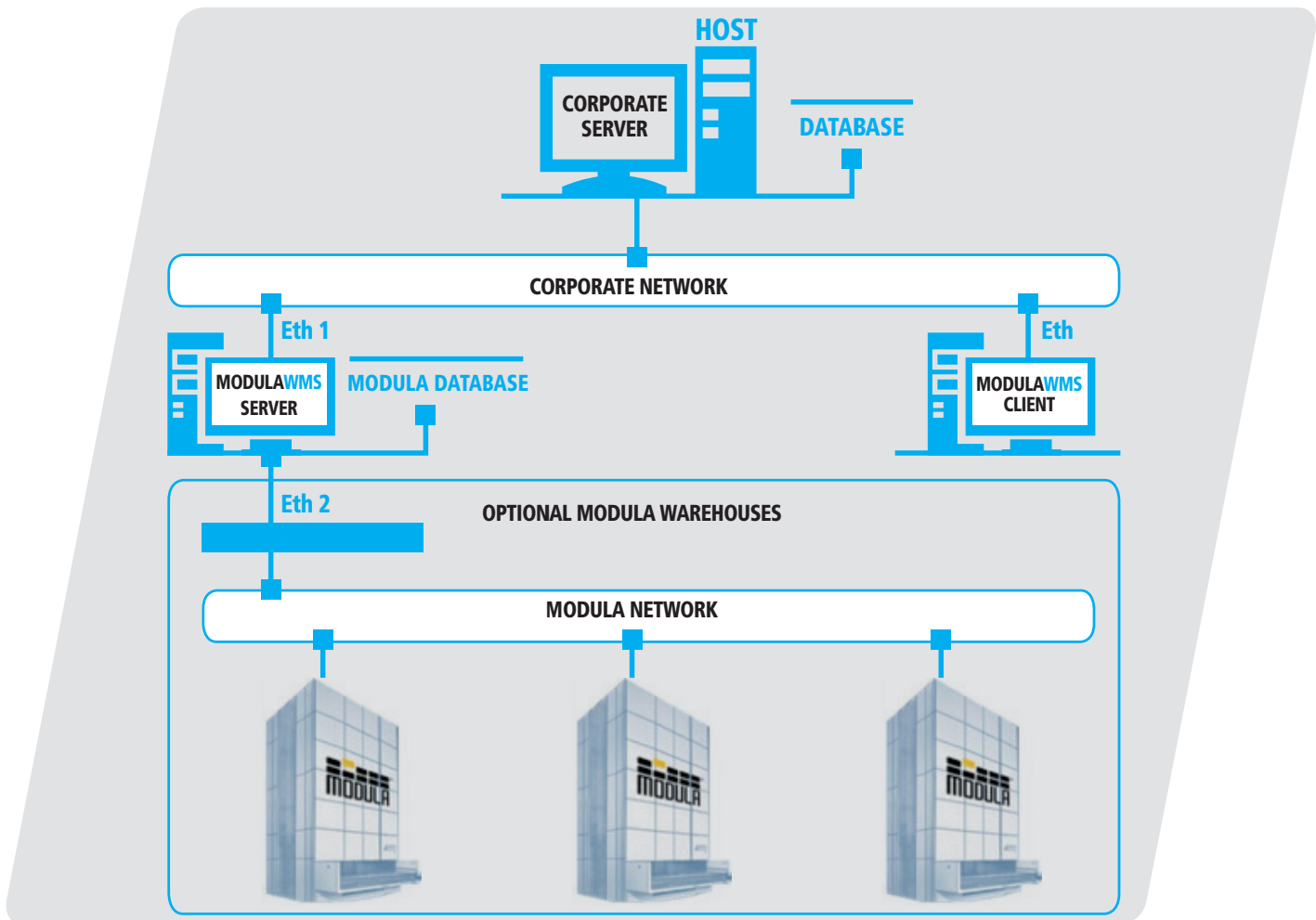
EASE OF USE

Operating procedures are efficiently designed for an intuitive and easy to use experience, by even lower skilled users.

Modula WMS is not only software, but more so an integrated solution for the **entire warehouse organization** to respond to the needs for:

- ORDERS
- SECURITY
- SPEED
- EFFICIENCY
- ACCURACY

MODULA
WMS

System architecture

Modula WMS allows real-time warehouse management via a PC interface. All that's needed to be supplied is a PC to act as warehouse's server and a certain number of client PC's, depending on the number of storage areas or specific needs.

Modula WMS installs the **Express version of SQL Server,** which is free and does not require any licenses. If the user prefers using any of the more complete versions of the database engine, you may purchase the licenses as required. In either case the SQL Server database must be reserved for exclusive use by Modula WMS.

SOFTWARE packages

ANALYSIS OF REQUIREMENTS

SELECT DESIRED FUNCTIONALITY

ESTABLISH AND SET PARAMATERS

SOLUTION

BASE **BASE**PLUS **STANDARD** **DRIVER**

Modula WMS BASE

The BASE module is included and provided with all new MODULA VLM units sold. It provides the basic tools for the VLM unit's management, such as its own register management, graphical storage cell location management, the ability for item requests by means of orders or direct item number requests, execution of physical warehouse inventories, and integration to your host management system, using a manual text file exchange with predefined path and layout.

Modula WMS BASE PLUS

The BASE PLUS module adds two important software functionalities in addition to the MODULA WMS – BASE software module:
- advanced security management, to limit tray access depending on user login profile.
- an automatic and configurable data exchange with the management system using text files or shared tabled accessible via ODBC, .XML files, ASCII files, or using Excel files.

Modula WMS STANDARD

The STANDARD module introduces a set of functions designed to make the use of the MODULA VLM units as efficient as possible:
- dynamic compartment management (item/compartment matching
- dynamic Batch and serial number management
- FIFO and due date management
- warehouse statistical analysis tools as well as printed report customization.
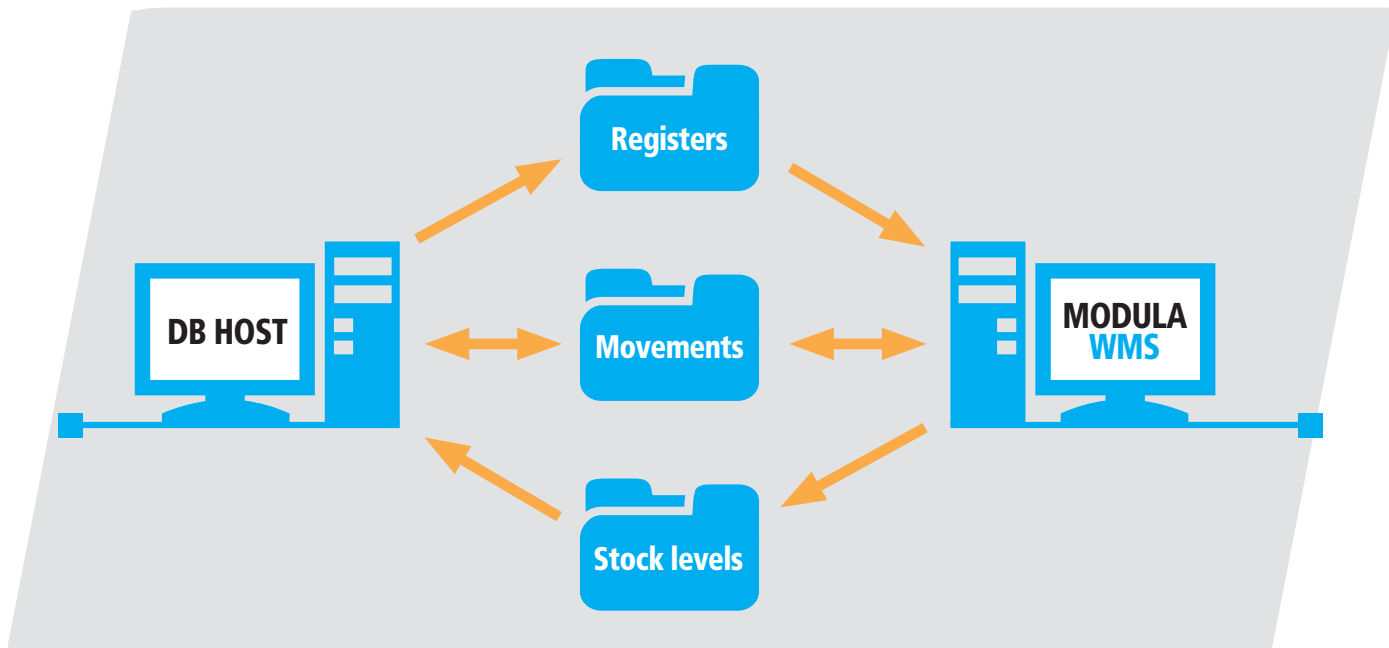
Modula WMS DRIVER

For users already having a WMS type of software in place, the DRIVER module allows for communication to and the ability to directly drive one or more VLM units, with no need to develop direct communication protocols with the machines. In addition, users will be able to still utilize the MODULA unit's CoPilot operator console for picking and replenishment activities.

SOFTWARE packages ⏩

The following supplementary software modules may be added to the **Modula WMS** <u>STANDARD</u> software module:

```
Registers

DB HOST ⟷ Movements ⟷ MODULA WMS

Stock levels
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Advanced Item Management Module
The Advanced Item Management module provides additional functionality to the STANDARD software, such as: advanced security to limit access to certain trays based on the user's profile, allows an image to be associated to an item, the ability to group items into families and categories to improve search and filtering functionality.

Advanced Item Picking Module
The Advanced Item Picking module provides additional functionality to the STANDARD software, such as: "put to light" system management, packing list management, kitting, batch picking and the automatic creation of storage locations.

Manual Warehouse Management Module
The Manual Warehouse Management module allows for the management of manual storage areas. This module allows for management of picking in the manual areas and also material distribution between different manual areas. Users can also manage material transfer between areas as well as materials incoming from receiving areas.

RF Module
The RF module extends the functionality of the Manual Warehouse Management module and it is only available in addition to the Manual Warehouse Management module. This module allows the use of Windows CE or Windows mobile-based RF terminals to manage manual storage areas.

Remote Assistance Module
The Remote Assistance Module provides the capability for System Logistics technicians to remotely diagnose faults and assist in troubleshooting immediately, without waiting for a technician to arrive.

SAP® IDOC Module
The SAP® IDOC module allows for interfacing with the SAP®R3 WM module by means of standard SAP IDOC's.

Services provided

IN ADDITION TO MODULA WMS SOFTWARE, THE FOLLOWING SERVICES ARE AVAILABLE TO ITS USERS:

Modula WMS Software Installation
Modula WMS software is installed by computer specialists using a fast guided procedure. Once the program has been installed on the server and on any clients and the MODULA VLM units have been configured in Modula WMS, the system is immediately ready for use.

Staff Training
After installation and the initial configuration of the MODULA VLM units, the staff that will be using the software will receive basic training in the use and operation of the software and its functionalities. On request, further more in-depth training sessions are available to be organized if needed.

Integration with a Host Management System
Software integration consultation and support is available when required and its goal is to provide the support required for a fast and effective integration to the host or ERP system.

Technical Service
Telephone support and/or remote service support is provided using the Remote Assistance module, a free license to the customer. If necessary, remote services can also be configured via dedicated VPN's.

Warranty and Support
Modula WMS is covered by a limited warranty and support until the end of the software's life cycle. Software discontinuations will be communicated by System Logistics at least 6 months in advance. The licensor reserves all rights not expressly stated herein.

US

Modula WMS