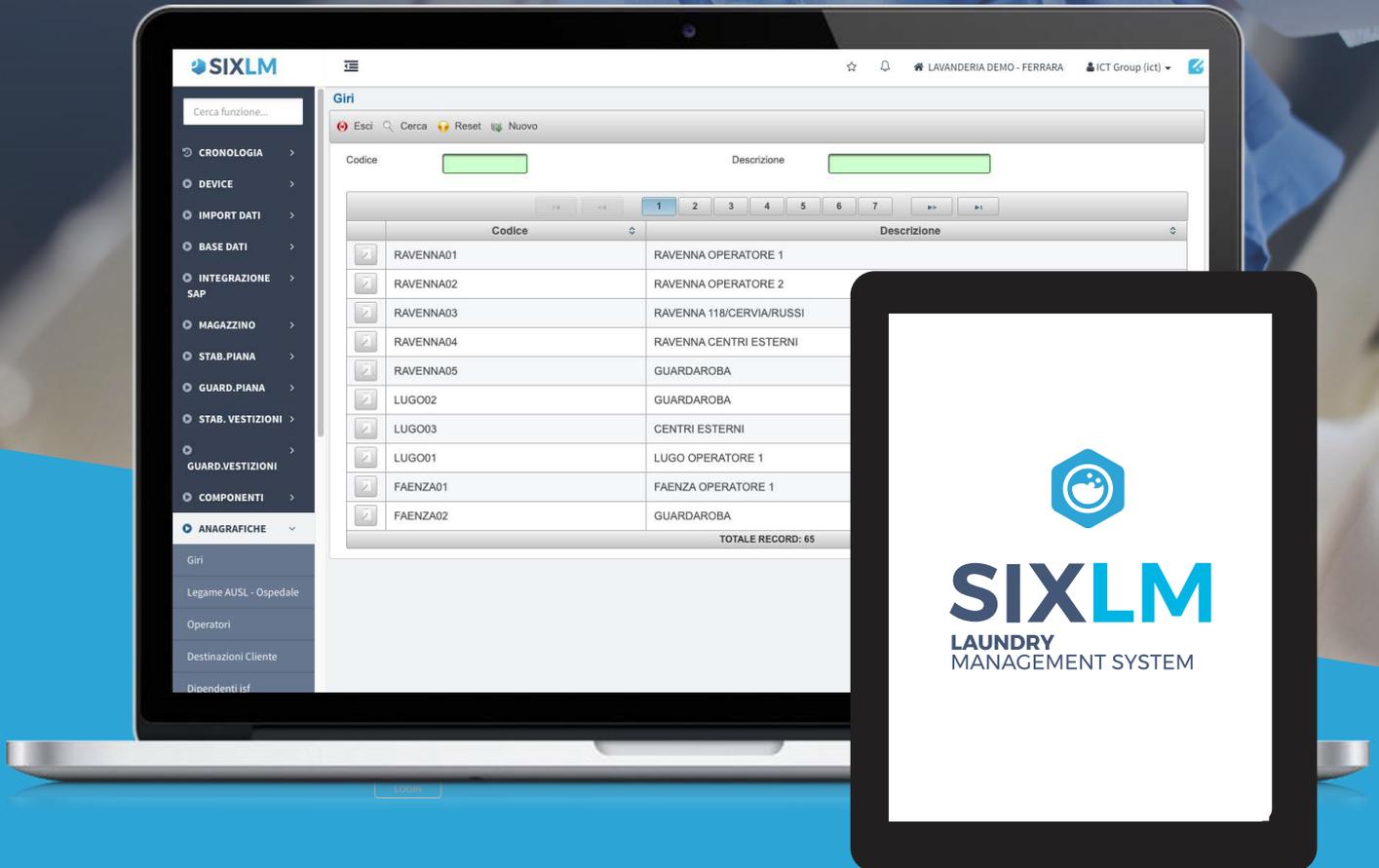




**LAUNDRY
MANAGEMENT &
TRACEABILITY
SYSTEM**

www.ict-group.it

SIXLM SOFTWARE APPLICATION



SIXLM has been designed to accomplish operational needs of industrial laundries, to trace efficiently information and to provide laundries with an accurate monitoring tool that helps keeping high productivity standards. SIXLM provides leading-edge technologies to manage information with the aim of improving daily activities in the laundry. The system can efficiently monitor activities in every area of laundries to perfect progressively their services and results.



WEB BASED



MODULAR



USER FRIENDLY



MULTI LAUNDRY

BENEFITS

MODULAR

Starting with basic features, SIXLM can be implemented in time with additional modules according to the specific needs of the laundry

MULTI LAUNDRY

Multi platform, multi database and multi customers

INTERFACEABLE

with any device in operating rooms to collect and record information

USER FRIENDLY

Guided procedures and simple user interface (touchscreen monitors)

INDUSTRY 4.0 READY

it is completely integrated and prepared for connection with production facilities via the network.

The traceability system uses interconnected RFID systems. It improves efficiency and productivity immediately, allowing greater control over business processes.



INDUSTRY 4.0

WEB

Users can log into the system using a standard browser from any workstation within the corporate intranet or using the Internet if they are outside of the hospital. No client installation required.

SECURITY & PRIVACY

System administrators can grant, deny and check authorizations to access the system and configure security policies (even the more sophisticated ones), avoiding the access to unauthorized users.

Effective and timely checks and traceability of linen and garments to limit their losses

The system can be interfaced with any device and software application (both local than remote) used in laundries

Improvement of the overall efficiency of the laundry

Modularity is SIXLM's main feature: the different areas of the laundry are provided with different modules that cover all its different needs.

Modules can be easily activated or deactivated and they allow to better configure the system according to customers' requirements and the types of activities to perform. This modular architecture allows the system to be easily modified in time because of future improvements and/or to different needs of the laundry.

Recording information in the production and the shipment area, in the warehouse and tracking times between the different areas and in production allow SIXLM to define precisely production costs for cost centre.

SYSTEM FEATURES

- ✓ results in line with business needs
- ✓ reliable information and data entirety
- ✓ traceability and backward traceability of user activities and material handling
- ✓ real time monitoring and analysis of the different areas of the laundry
- ✓ system procedures can be designed using parameters and modules
- ✓ procedure automation avoiding unnecessary steps
- ✓ effective information sharing with customers

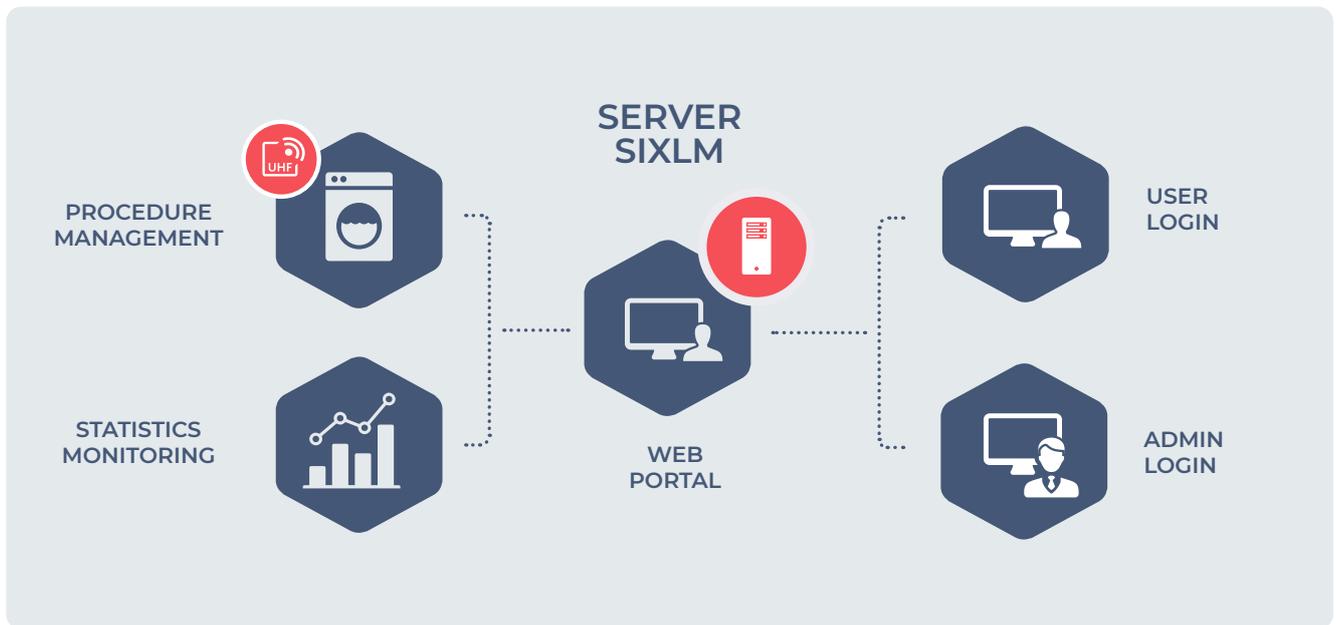
SYSTEM WORKFLOW

The SIXLM Laundry Management is a complete solution for the management of traceability in the processes of reconditioning and washing of garments linked to:

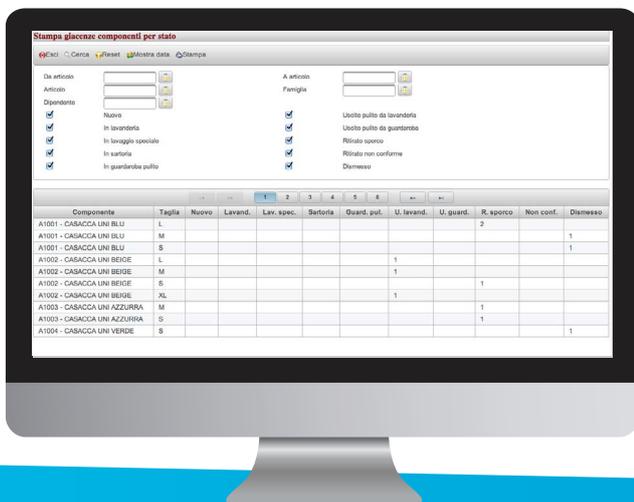
- ✔ Flat linen
- ✔ Packaged linen (clothing)

This feature stems from the awareness of having to provide to the Laundry a single work tool and each production site can decide the modules to be activated.

The production process can be parameterized in order to define different production procedures and control levels for the different laundries. For every product or group, special procedures can be defined as well.



PRIMARY TARGETS OF THE SYSTEM



Linen/Garment traceability

Both in laundries and in-between laundries and customers' premises as well as traceability of production stages in laundries

Maintenance of high production standards

in laundries, keeping at the same time a detailed report of performed activities and production stages

Management, monitoring and material traceability in every area of the laundry:

- from the pick-up of dirty linen/garments to the final delivery to customers
- from material preparation to reports and statistics about production
- up to the real-time monitoring of production stages

LINEN DISTRIBUTION

Linen to be destined to the single wards are indicated in customers' contracts, specifically:

- ✓ items to deliver to the different wards
- ✓ basic information for service invoicing (quantities, rates, number of operators,..)

Once the contract is recorded in the system, SIXLM allows users to record key parameters such as:

EQUIPMENT

RULES FOR WAREHOUSE MANAGEMENT

such as safety stocks, minimum quantities for back-orders ... in other words all the important information needed to provide supplies to the different wards according to the quantity of dirty linen delivered back to the laundry.



Starting from contracts and equipments, the system creates pick-up lists that are essential to manage the warehouse. Warehouse picking is done according to defined pick-up lists. The census of linen can be done using reading tunnels and then matching read tags to items selected by the operator.

Contracts are used to steer the census but linen equipped with tags can be shipped to any customer if its contract states that.

Linen are now ready to be dispatched and operators can issue delivery notes.

The reception of dirty linen is done using RFID tags in reading tunnels that allow operators to:

- ✓ identify received items
- ✓ load/unload the warehouse (load of supplier warehouse and unload of customer warehouse).
- ✓ calculation of used linen
- ✓ request supplies issuing supply orders.

Simultaneously operators can use proper functions to supervise and manage quality checks on linen.

GARMENT DISTRIBUTION



The equipment to provide to operators is agreed with customers and indicated in contracts, specifically:

- garments/clothing to provide them
- basic information needed for service invoicing (quantities, rates, number of operators,..)

Once the contract is recorded in the system, SIX allows users to record key parameters such as:

OPERATORS

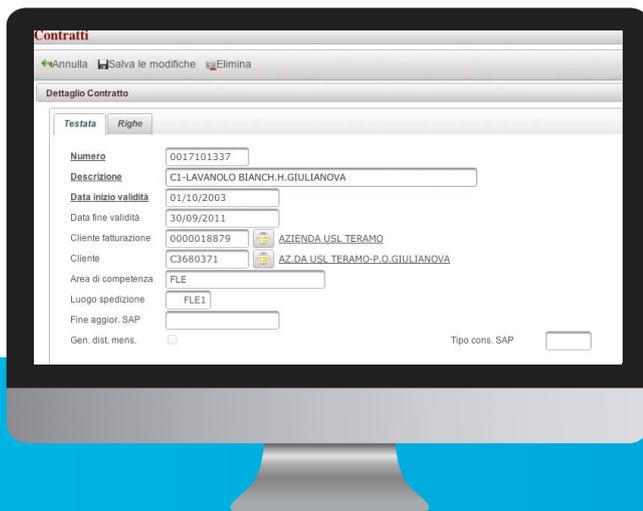
- personal information
- job
- their garments and quantities
- sizes of garments to provide

EQUIPMENTS

- customer/job/sex
- customer/unit/job/sex
- customer/unit/ward/job/sex

SIZING

to record sizes of garments to assign to every operator



Starting from contracts and equipments, the system creates pick-up lists that are essential to manage the warehouse. Warehouse picking is done according to defined pick-up lists.

The census of linen can be done using reading tunnels and then matching read tags to items selected by the operator.

When garments are assigned to operators, the system creates an internal garment code that is matched with a tag (when provided); the system allows operators to print an identification barcode tag too. Operators in charge of distribution can then print the delivery note and ship garments to the customer. The status of garments and their assignation can be checked in real-time both:

for single operator you can check which and how many garments are assigned to the different operators and their status as well as define if every operator has all garments in its equipment or if someone needs supplies

for all operators garments assigned to operators can be checked in terms of size and model and the delivery of clean garments / collection of the dirty ones can be managed using automated cabinets installed at customers' premises.

Garments' delivery and pick-up can be easily managed thanks to the system integration with automated cabinets installed at customers' premises. Every employee can be provided with a badge that allows him/her to pick-up the required garments. Every operators can benefit of a credit that matches the equipment provided in contracts in other words how many uniforms (with type and size) he/she can have. In this way operators can pick-up clean uniforms only if he/she has some credit left. In this way the system guarantees the complete traceability of operators performed by operators using his/her badge (including date, time and working times) as well as load/unload of the warehouse using the automated cabinet. Proper functions to supervise and manage quality checks on garments can be performed as well.

MANAGEMENT CONTROL AND INDUSTRIAL ACCOUNTING

By acquiring production, warehouse and shipping data and detecting transit and processing times, the system is able to process production costs by cost center.

In a company, the management control allows to guide the achievement of the objectives established during the operational planning, detecting, through the measurement of specific indicators, the deviation between planned and results achieved and informing the relevant bodies of these deviations, so that they can decide and implement the appropriate corrective actions.



The system, possibly integrated with the management solution, will be able to provide all the necessary statistics for the detection of production costs related to:

- ✓ operating times and costs
- ✓ machine time and costs
- ✓ production times and costs
- ✓ processing times and order delivery

HARDWARE DEVICES



Clean linen distribution automatic systems



Touchscreen monitors



Dirty linen collection automatic systems



Mobile devices



RFID identification devices



Barcode printers



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