SUMAL

· DESIGNED & MANUFACTURED IN BARCELONA



MORE EFFICIENT PROCESSES WITH CARTS

Les Hôpitaux Universitaires de STRASBOURG

LES HÔPITAUX UNIVERSITAIRES DE STRASBOURG



New cart developed in collaboration with the laundry department of the Strasbourg University Hospital.

Optimized design for the efficient storage of hospital attire, garments, and uniforms.

INITIAL SITUATION





Fixed shelves with trays equipped with roller tracks, offering a maximum capacity of 13,600 items.

Daily demand for standard garments: 15,000 items.

Why should we replace these fixed shelves with roller tracks?

Capacity

With the daily increase in standard garments delivered, the shelves no longer meet one of the key objectives: maintaining a delivery rate above 98%.



Hygiene

There is difficulty in maintaining a high level of hygiene on surfaces that come into direct contact with the garments.

Safety

The photo speaks for itself, highlighting safety issues in the current system.
Musculoskeletal Disorders (MSDs)
Manual handling of the trays creates ergonomic risks for the staff involved.



Occupied Space

The policy of improving patient care has led to an increase in the number of item references, which implies a greater need for available space.

.



EXECUTION

After analyzing different types of storage, always following the FIFO principle, that meet all the objectives considering the final investment.

The adopted solution has been:

A system with guide rails and specialized carts.

GUIDE RAIL SYSTEM

A guide system already implemented in the automotive industry, among other sectors, known for its ease of assembly and modular nature.



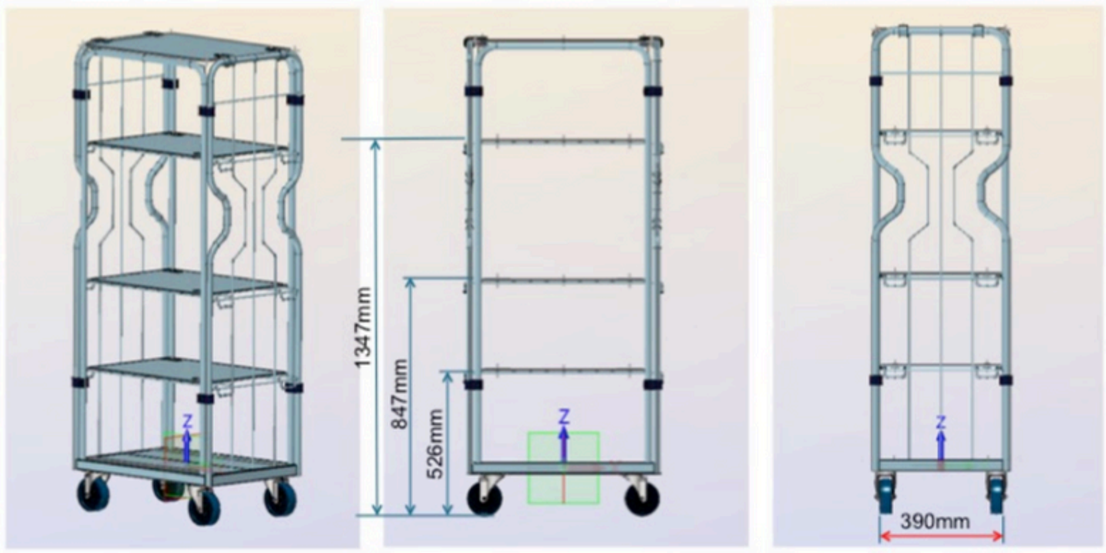




SUMAL

SPECIFIC CART

SUMAL has designed and manufactured a specific cart with removable trays that offer flexibility, a rigid roof that ensures a high level of hygiene, and integrated handles that improve safety during handling.





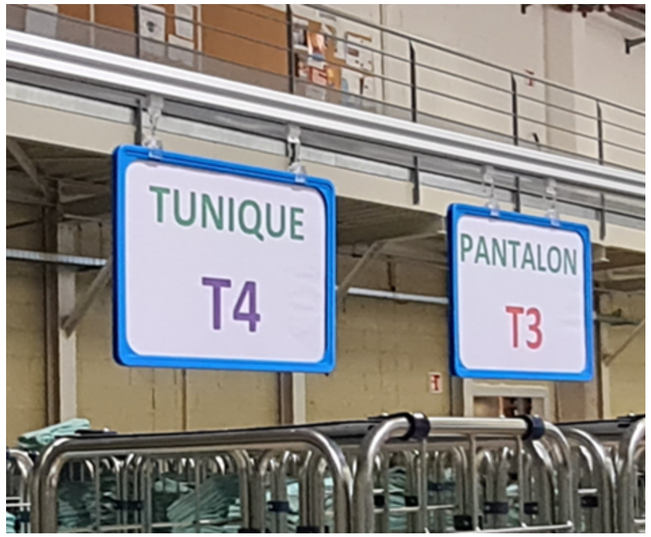
REALIZATION

System with a maximum capacity of 28,000 items (+105%) and a 40% saving in floor space.




PANTALON
T0
TUNIQUE
T0
RETOUR
VIDE
RETOUR
VIDE
PANTALON
T0
TUNIQUE
T0




TUNIQUE
T4
PANTALON
T3


PANTALON T2
TUNIQUE T2
PANTALON T1
TUNIQUE T1



