

SUSTAINABLE
SOLUTIONS AND
INNOVATIONS IN
LAUNDRY

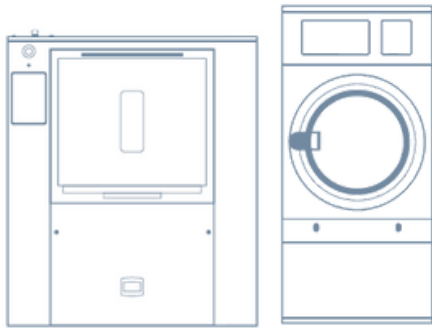
HOSPITAL HEALTHCARE



WWW.DANUBE-INTERNATIONAL.COM

 **DANUBE**
ONNERA GROUP

EFFICIENCY...



and sustainability for an eco-friendly balance.



Water

Our machines incorporate technology to manage water recovery, guaranteeing optimum use of water in every wash cycle.



Energy

Energy optimisation is an essential part of laundry management to ensure greater savings and efficiency.



Chemicals

Adapting the quantity of detergent to the load and the laundry means extra savings, better laundry care and respect of the environment.



Time

By adjusting process times appropriately, laundry efficiency and profitability are increased.

CONNECTIVITY

with IoT platform



DANUBE ONLINE is DANUBE's free standard platform for centralising your laundry management via the IoT to monitor, control and optimise your machines and resources remotely, in real time, wherever you are, using a computer, tablet or Smartphone.

Universal and easy to use

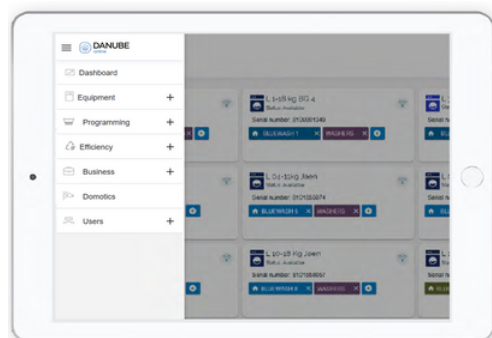
Central, intuitive, multilingual and upgradeable interface.

Secure connection

Protection of data in their availability, integrity and confidentiality.

Useful to all

Operator, maintenance service, distributor and chemicals partner.



INTELLIGENT LAUNDRY

by Danube

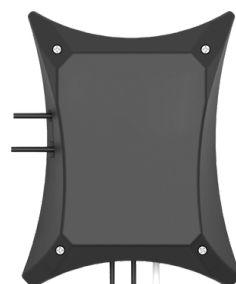
Efficient machines + solutions

The all-in-one concept to optimize all your laundry operations. Combined with the **LEMS by Onnera** system, it allows you to :

1.- collect precise data from different **LEMS Counter Box** installed on each machine (water, gas and electricity consumption in real time),



2.- retrieve this data using the **LEMS Brain** pulse concentrator which automatically transmits it to the **DANUBE ONLINE** platform via IoT.



All you have to do is log in to your account on the DANUBE ONLINE platform to manage your laundry and generate personalized reports on efficiency and hygiene.



Precise management



Optimized efficiency



Controlled hygiene

LAUNDRY HYGIENE IN THE HEALTH SECTOR

The laundry process is an important element in reducing hygiene risks in the healthcare sector.

The application of the RABC (Risk Analysis and Biocontamination Control) method in laundries in health sector consists of:

- Analysis of biocontamination risks,
- Implementation of control procedures,
- Continuous checks during the process,
- Corrective actions to maintain good results.

WHAT ARE THE RISKS AND HOW TO CONTROL THEM?

MICROBIOLOGICAL RISKS:

- Linen contamination due to excessive storage time of dirty linen promoting the proliferation of germs,
- Uncontrolled movement of staff between different areas of the laundry,
- Recontamination of clean linen by crossing with dirty linen,
- Recontamination with germs transmitted by hands.

CONTROL ACTION:

- Check and avoid excessively long storage time for dirty laundry,
- Restrict staff movement within the laundry,
- Functional separation of clean laundry and dirty laundry to avoid any recontamination,
- Staff hygiene (clothing and hands) by wearing gowns and gloves.

BARRIER LAUNDRY IS THE SOLUTION

Imposing a barrier washer in the laundry effectively allows:

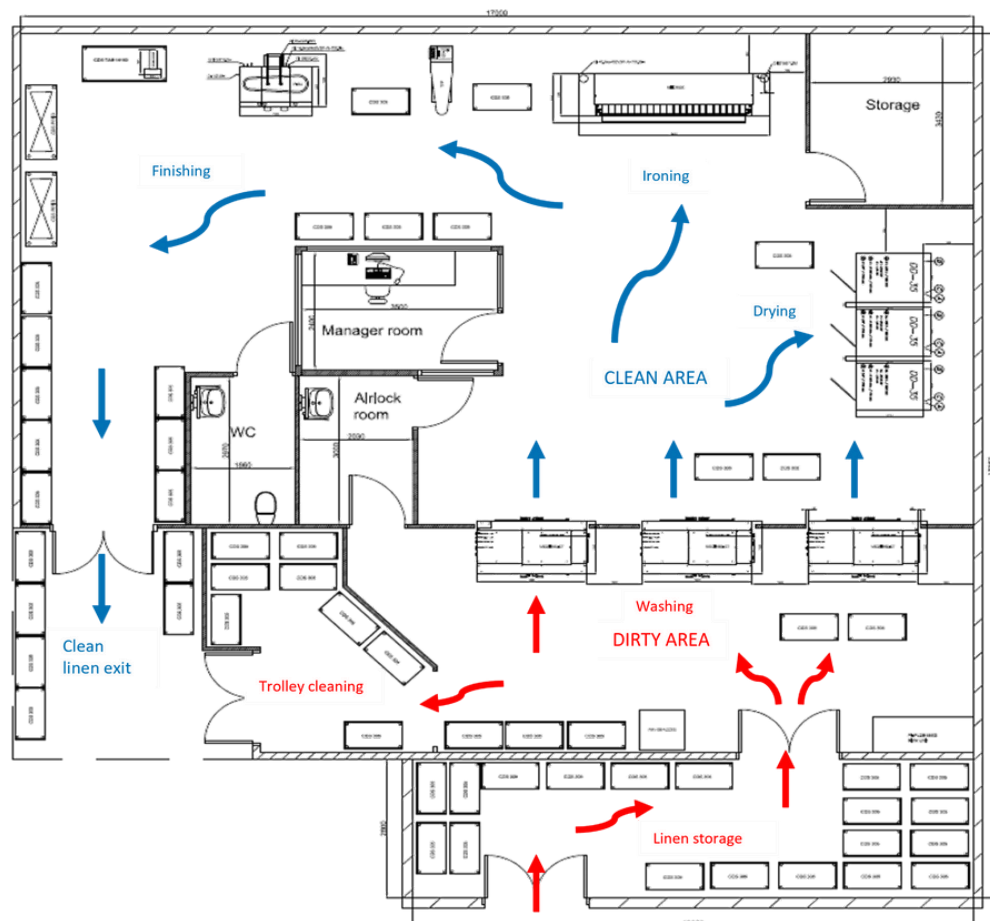
- to **organize** and **reduce** staff **movement**
- to **physically separate** dirty laundry from clean laundry by a partition to avoid any risk of recontamination



Opposite doors do not open at the same time to avoid communication between the dirty side and the clean side.

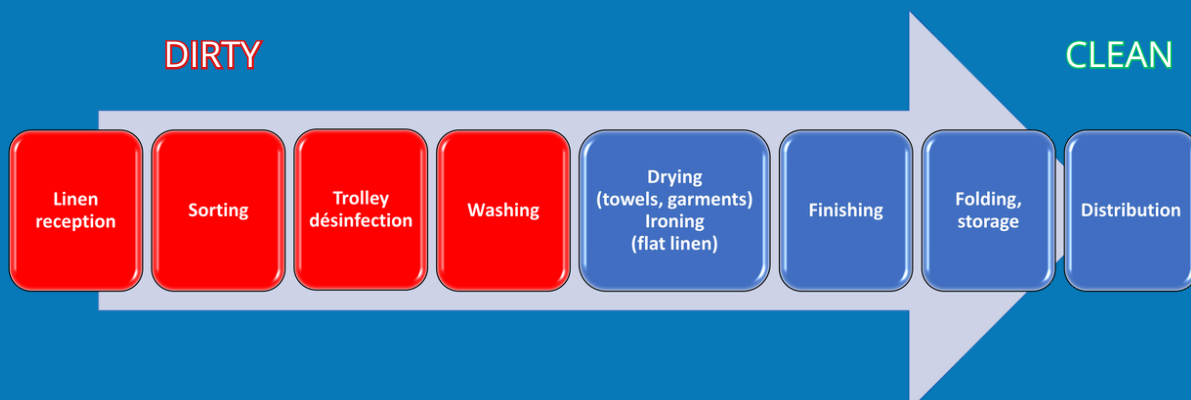
In a **barrier laundry**, it is important to...

- respect the dirty/clean separation throughout the bed-to-bed process.
- maintain a constant forward flow of linen entering and exiting the laundry



Example of barrier laundry organization

LAUNDRY FLOW ALWAYS FORWARD



A range adapted to your needs:

Danube offers a range adapted to your needs, whether you are a hospital, a retirement home or any other establishment with strict hygiene rules.

Barrier washers are the solution!

With 2 opposing doors and interlocking security, they perfectly meet the hygiene requirements imposed by the RABC standard. The fully programmable ET2 control also offers, as standard, WET CLEANING programs (useful in retirement homes). Many options are available to adapt them as closely as possible to individual needs.

BARRIER WASHERS



• MED-ET2 / 16-22 kg



• DBW-ET2 / 27-35-50-70 kg



• PULLMAN AS-ET2 / 100 kg

Tumble dryers



- **DD - GOLD and SILVER**

from 11 to 80 kg

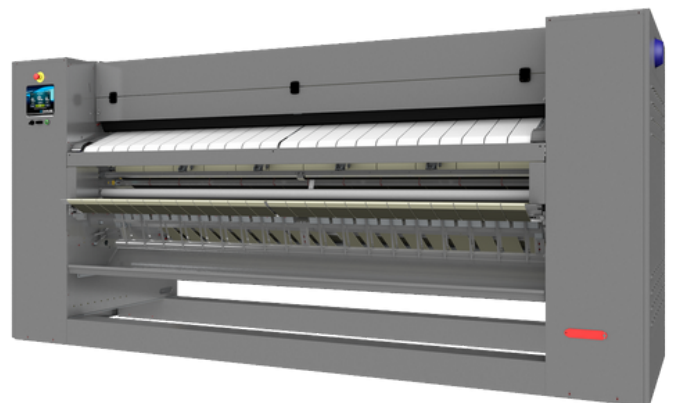
The **GOLD** range is the most efficient, as standard, because it is fully equipped with all possible options to save energy.

The **SILVER** range is the most versatile and equally efficient since it offers numerous options to meet specific needs exactly.

Both ranges are controlled by the fully programmable ET2 control.

Flatwork ironers

Driven by ET2 control, this range of flatwork ironers offers a new design, for greater ergonomics and high-performance features. Numerous options are also available making them very flexible : built-in lengthwise folder, rear exit, radiant gas model, etc.



- **MI-ET2 / GI-ET2- ø 500 et 650 mm**

Also find out....

Ozone cabinets

Designed to **deodorize** and **sanitize** all kinds of clothing, accessories, and materials using ozone. Clothing and accessories are disinfected naturally, without chemicals.



- **DAN_O3**

3 capacities: 313, 626 and 1252 litres

Finishing range

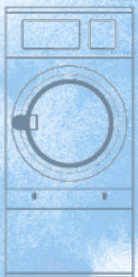
A wide choice of ironing tables, finishers and presses for finishing garments of staff or residents.



My Notes



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