Silentia®

Silentia®

Every week...
a jumbo jet crashes
in the UK healthcare
system

834,000 infections/year
28,500 deaths/year
Cost £2.7 billion*

7.1m hospital bed days
21% of all bed days
887,500 kilotonnes CO2e*

Curtains are frequently touched, are close to the patient and are a proven source of pathogens

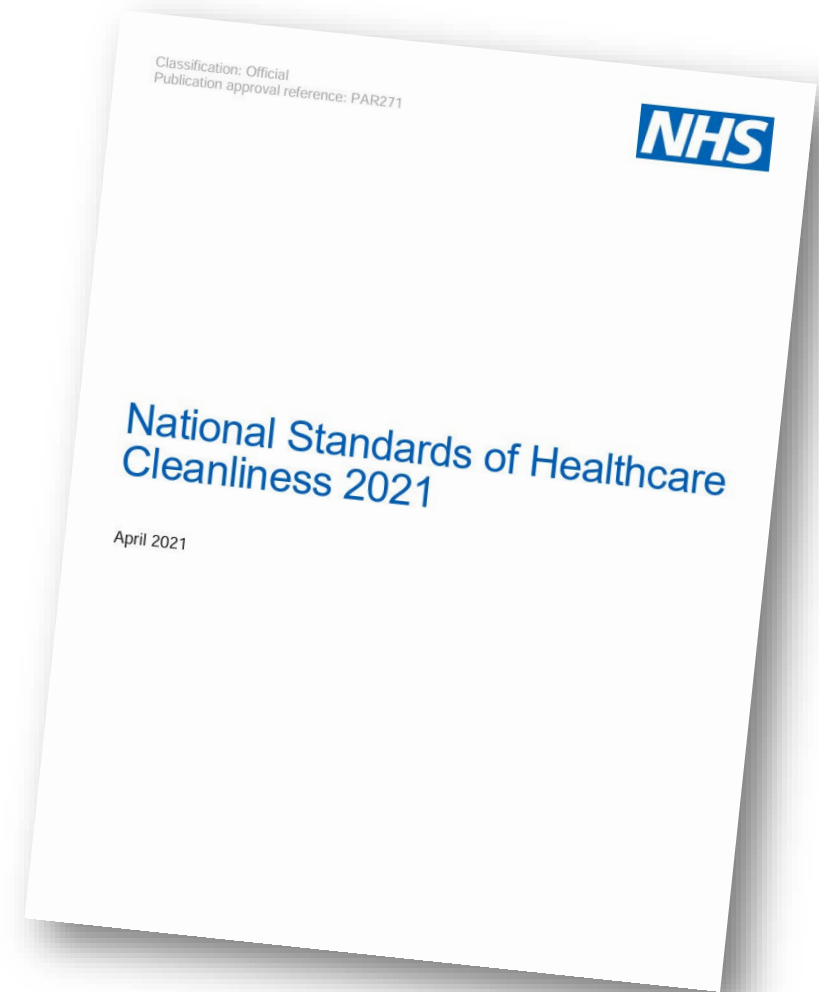92% of privacy curtains were contaminated after one week of laundering.*

* American Journal of Infection Control, Volume 40, Issue 10

High frequency touchpoints

Wards and departments:

- light switches/plastic pulls
- taps, dispensers, toilet flush handles
- door handles and push plates
- over-bed table and trays
- bed rails
- grab rails
- patient chair arms and seat
- relevant parts of notes, linen, drug and general-purpose trolleys
- nurse call buttons
- TV remote control
- bedside drawers and locker handles
- kitchen cupboard handles

No	Element	Performance parameter	FR1	FR2	FR3	FR4	FR5	FR6
13	Patient beds – frame, wheels, castors, head, foot, cot sides, nurse call and control panels, including carers beds in the clinical area Non-patient beds, including on-call beds – clean as per local protocol	Frame (top and bottom), wheels, castors, head, foot, cot sides, nurse call and control panels should be visibly clean with no blood and bodily substances, dust, dirt, debris, adhesive tape, or spillages.	Full clean frame top daily including touch points (bed rails and nurse call button) Full clean frame bottom weekly + Full clean on patient discharge	Full clean frame top daily including touch points (bed rails and nurse call button) Full clean frame bottom weekly + Full clean on patient discharge	Full clean frame top weekly including touch points (bed rails and nurse call button) Full clean frame bottom weekly + Full clean on patient discharge	Full clean frame top weekly including touch points (bed rails and nurse call button) Full clean frame bottom weekly + Full clean on patient discharge	Full clean frame top fortnightly including touch points (bed rails and nurse call button) + Full clean on patient discharge	Full clean frame top monthly including touch points (bed rails and nurse call button) + Full clean on patient discharge
17	Switches, sockets and data points, trunking, handrails, and wall fixtures	All wall fixtures, e.g. switches, sockets and data points should be visibly clean with no blood and bodily substances, dust, dirt, debris, adhesive tape, or spillages.	Full clean daily including touch points (light switches/pulls, handrails, lift buttons/ plates and hand dryer buttons) + 1 check clean daily	Full clean daily including touch points (light switches/pulls, handrails, lift buttons/plates and hand dryer buttons)	Full clean twice weekly + daily check clean of touch points (light switches/pulls, handrails, lift buttons/plates and hand dryer buttons)	Full clean weekly including touch points (light switches pulls, handrails, lift buttons/plates and hand dryer buttons)	Full clean monthly + weekly check clean of touch points weekly (light switches/pulls, handrails, lift buttons/plates and hand dryer buttons)	Full clean monthly + weekly check clean of touch points weekly (light switches/pulls, handrails, lift buttons/plates and hand dryer buttons)
43	Curtains and blinds (disposable and fabric)	Curtains/blinds should be visibly clean with no blood and bodily substances, dust, dirt, debris, stains, or spillages.	As per local curtain changing programme or change/clean when visibly soiled 6-monthly as a minimum	As per local curtain changing programme or change/clean when visibly soiled 6-monthly as a minimum	As per local curtain changing programme or change/clean when visibly soiled. Annually as a minimum	As per local curtain changing programme or change/clean when visibly soiled. 2-yearly as a minimum	As per local curtain changing programme or change/clean when visibly soiled. 2-yearly as a minimum	As per local curtain changing programme or change/clean when visibly soiled. 2-yearly as a minimum

Impact of curtain changing frequency on carbon footprint

Carbon footprint

CO2e impact of HAI's

CO2e related to curtain changing/cleaning
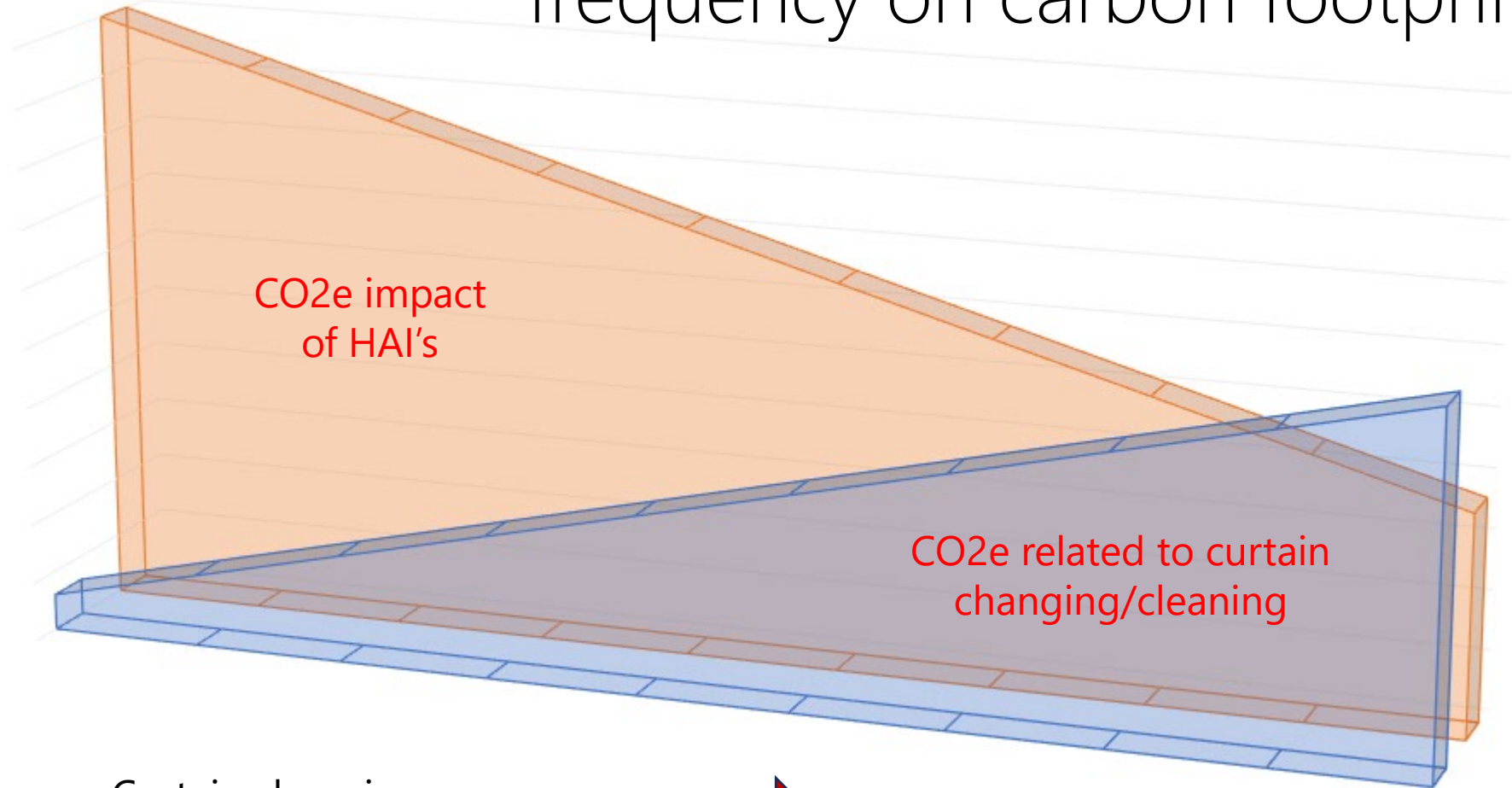
Curtain changing frequency

Let's eliminate
the problem.

Let's eliminate
the problem.

Easy to clean
in-situ.

Company founded 1989

"Something is needed instead of curtains"

"Something is needed instead of curtains"

Product 1990

Privacy

"Something is needed instead of curtains"

Product
1990

Privacy

Hygiene

Every patient has the right to a hygienic care environment.

"Something is needed instead of curtains"

Silentia Screen System:
A versatile and cost-effective screen system that is easy to use and reuse

It's never been easier to enhance patient safety without sacrificing privacy. There are many different lengths and heights, and ways to combine screen solutions. All part of a complete system that can adapt to your specific needs. Our screens are built to outlast any other privacy solution, supported by our warranty and technical lifetime of at least 10 years. Contact your Silentia distributor for a demonstration.

Folding screens
The Silentia folding screen can be mounted on the wall, a floor pole or on wall rails. It can easily be mobile by clicking it on a trolley. Combine it with a bed end screen.
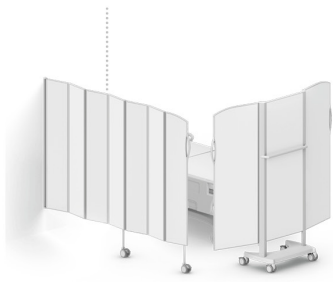
Mobile folding screens
A mobile folding screen allows you to be more mobile and flexible. The wheelbase take a minimal amount of space. Combine it with a bed end screen.
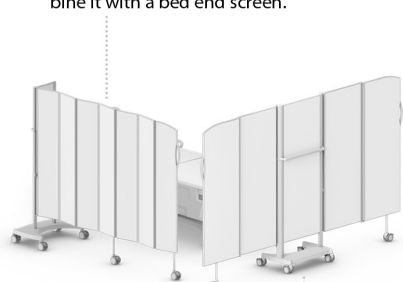
Semifix screens
The semifix screens provides endless flexibility to create privacy and optimal hygiene in large and defined spaces. It can be built in four different directions. Combines easily with folding screens.

Mobile bed end screen 1.5m
Our bed end screen provides optimal privacy at the end of the bed and quick access to the patient.

Mobile bed end screen 2.5m
This bed end screen at 2.5m provides a larger area of protection at the end of the bed and quick access to the patient.
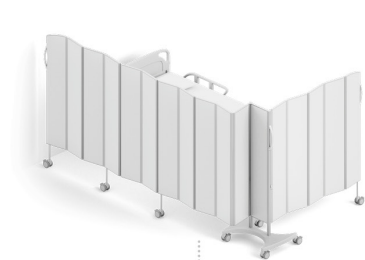
Fixed screens
Our fixed screens have been developed when more permanent privacy is required. Easily combines with folding screens.

ClearPanelsTM
A completely transparent, mobile screen that makes it easy to monitor and communicate with patients

Mobile double screen, U-shape
The mobile double screen can be used in a U-shape for a movable and flexible space for optiamal privecy.

Mobile double screen, L-shape
The mobile double screen can also be used in a an L-shape, to create a

Shower screens
The Silentia shower screen makes it easy to provide patient privacy while showering alone or assisted.

PPE holderTM
This Silentia Add-on gives you easy access to hand sanitizers, gloves, wet wipes and other products.

"Something is needed instead of curtains"

Product 1990

System 2003

Privacy

Hygiene

Sustainability

Future-proofing patient privacy
5 Eco Design Principles

- Hygiene

- Safety

- Durability
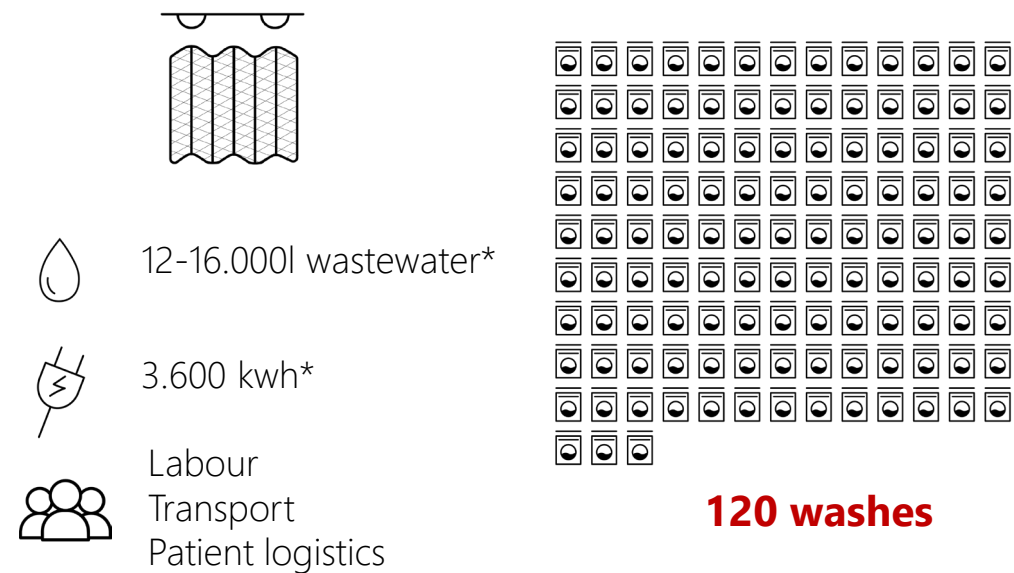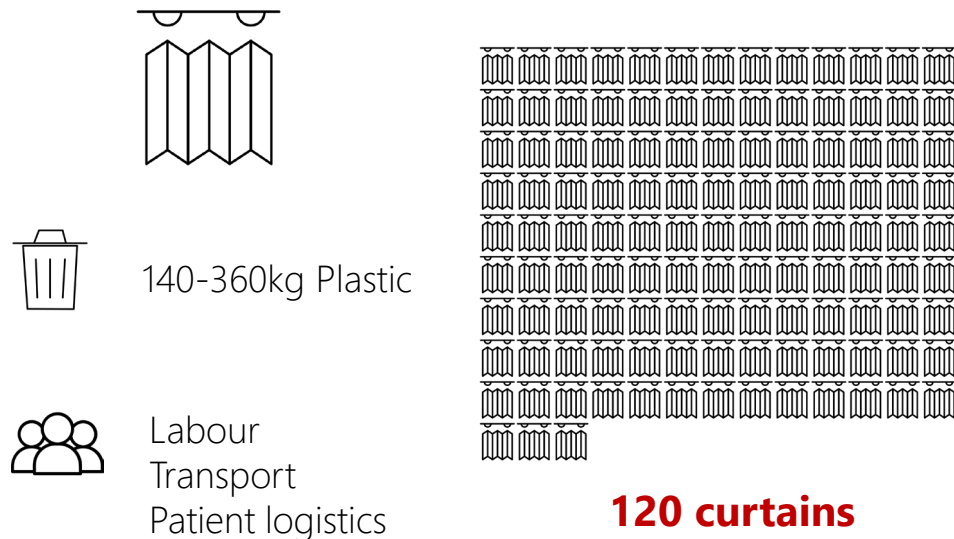
- Reusability

- Repairability

Silentia®

10 years of patient privacy, for a single hospital bed

Disposable curtains - exchange once per month

Textile curtains - launder once per month

140-360kg Plastic

Labour
Transport
Patient logistics

120 curtains

12-16.000l wastewater*

3.600 kwh*

Labour
Transport
Patient logistics

120 washes

*Data from Danish hospitals and E.S.T.A (2000)

10+ years of privacy from one screen

Comprises 16kg materials including:

- Cardboard
- Laminate
- Aluminium
- Small amounts of plastic, glue & steel

Lower total cost of ownership

Resource efficiency also means cost efficiency

Return on investment in 3 years or less

10+ years of privacy from one screen

Clean in-situ

No in-service waste

No laundry

No energy consumed

Installation examples
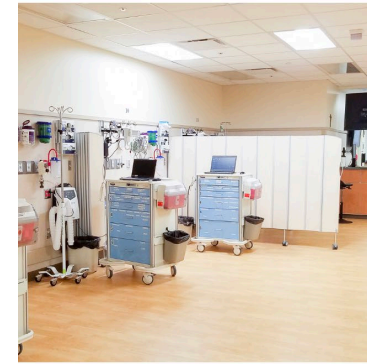
Golden Jubilee National Hospital - Glasgow

157 screens installed in 2011 and still in service after 12 years.

"There is a high level of cleaning of these screens. You wouldn't be able to do this with curtains."

Robert Gray
Senior Manager, Infection Prevention & Control

Central Hospital Växjö

First screens supplied by Silentia in 1990, many of which are still in service.

Antwerp University Hospital

Screens supplied in 1991 also still in use today.

Screen design in relation to durability and simplicity has only improved in 30 years

Aarhus University Hospital - Denmark

Largest hospital in Denmark

1,400 screens installed between 2015 and 2017

Only 5 repairs required to date (due to accidental damage, not failure)

Screen repurposing at Gødstrup, Denmark

New Gødstrup regional "super-hospital"

409 beds & 3,500 employees

Replacing 2 old local hospitals

Existing equipment was saved & repurposed

Screen repurposing at Gødstrup, Denmark
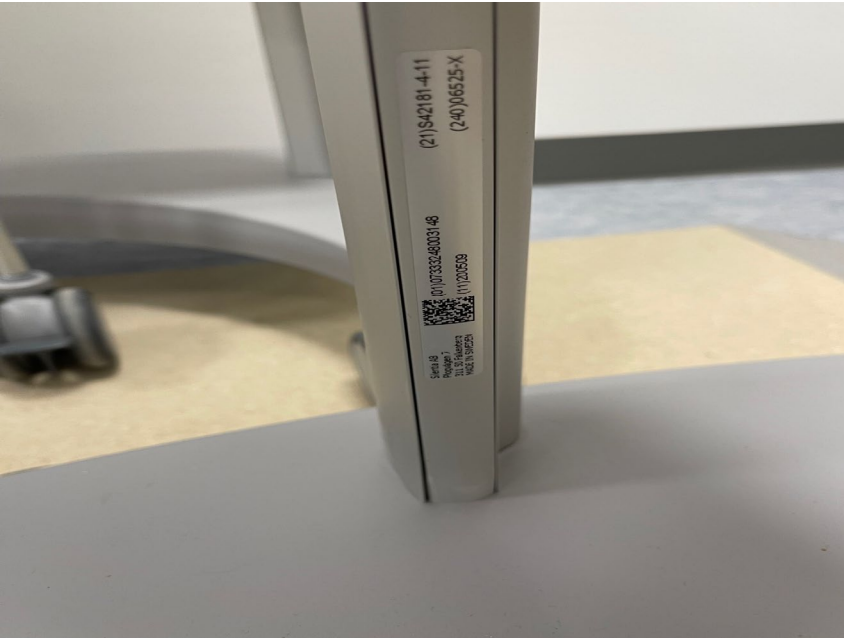
Our Easy*Log*TM system helped catalogue and relocate over 100 screens from the old hospital yielding major cost savings and upwards of 1.6 tons of materials.

Case stories

Over 40 case stories at silentia.co.uk

A few of our UK customers

Silentia Headquarters

Working towards net zero manufacturing

Annual sustainability reporting for all our products in advance of the NHS 2028 target.

Circular economy programme will allow components to be recycled at end of life.

Our factory in Sweden is already using renewable energy based on wind power.

Main raw materials including aluminium and compressed cardboard are sourced locally in northern Europe, a large percentage of which are made from recycled material

Silentia®

Thank-you

Keep it *Clean*