Instant patient isolation.
Wherever it's needed

PRODUCT BROCHURE

rediroom

REVOLUTIONARY DESIGN, RUGGED CONSTRUCTION

An 8-year collaboration between industrial designers, clinicians and infection prevention experts.

HEPA & carbon air filtration
Filters 99.5% of particles from infectious air

Raiseable window blinds
Lower for patient visibility or raise for privacy

Integrated PPE station
Everything you need, always at the point of use

Hands-free entry and exit
Reduce the risk of contact-spread infection

Easy decontamination
Collapsible canopies and easy-to-clean frame combine to allow effective terminal clean

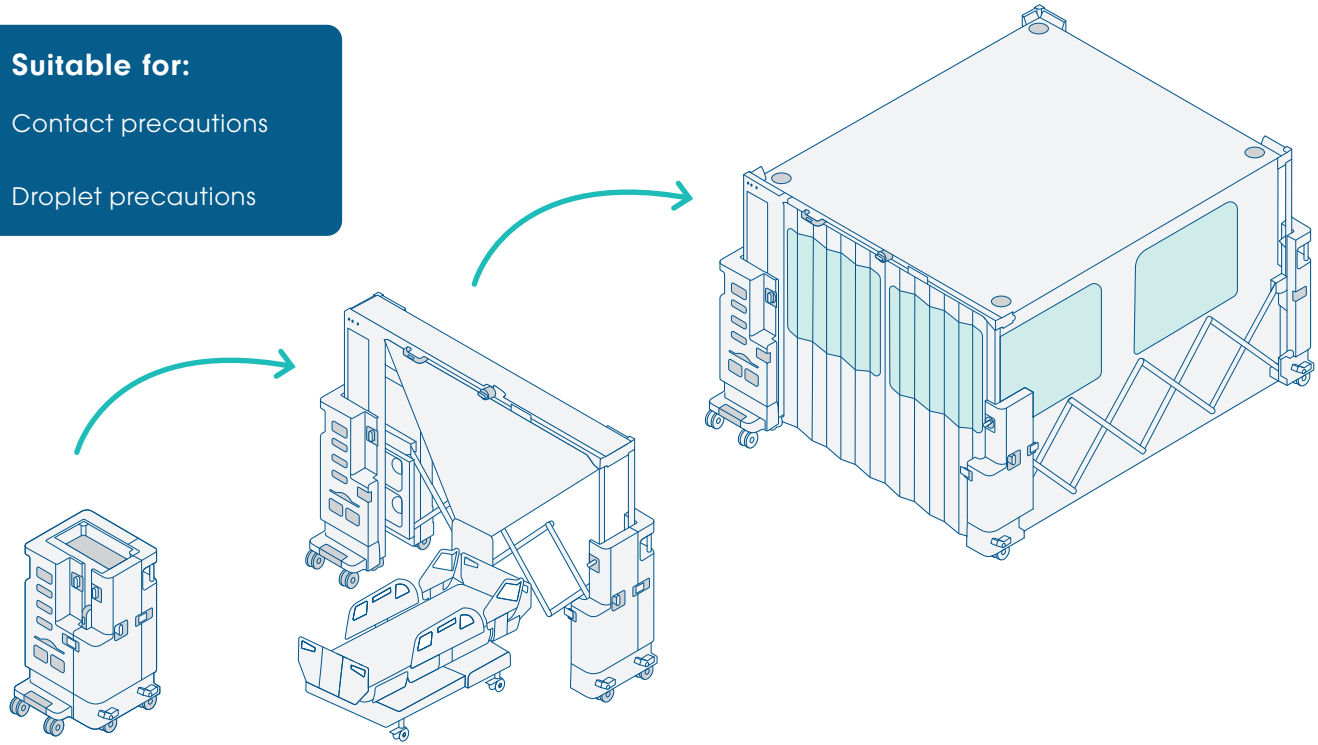
Wall-to-floor seal
Isolate patients under contact and droplet precautions

Room to manoeuvre
Redroom packs into a cart that can be easily wheeled to a patient's bedside[1]

FULLY OPERATIONAL IN LESS THAN 5 MINUTES

Suitable for:

- ☑ Contact precautions
- ☑ Droplet precautions



Redroom equips hospitals to isolate patients in a new way: by bringing the isolation room to them.

Assembled around a bedspace, by a single person, in less than 5 minutes[1].

Conforms to multinational infection prevention guidelines[2], providing effective contact and droplet isolation.

Scan me! See Redroom in action

STOPPING THE SPREAD OF INFECTION

Patient isolation is a cornerstone of infection prevention. Rediroom is the world's first instant isolation room.

Increased capacity and compliance

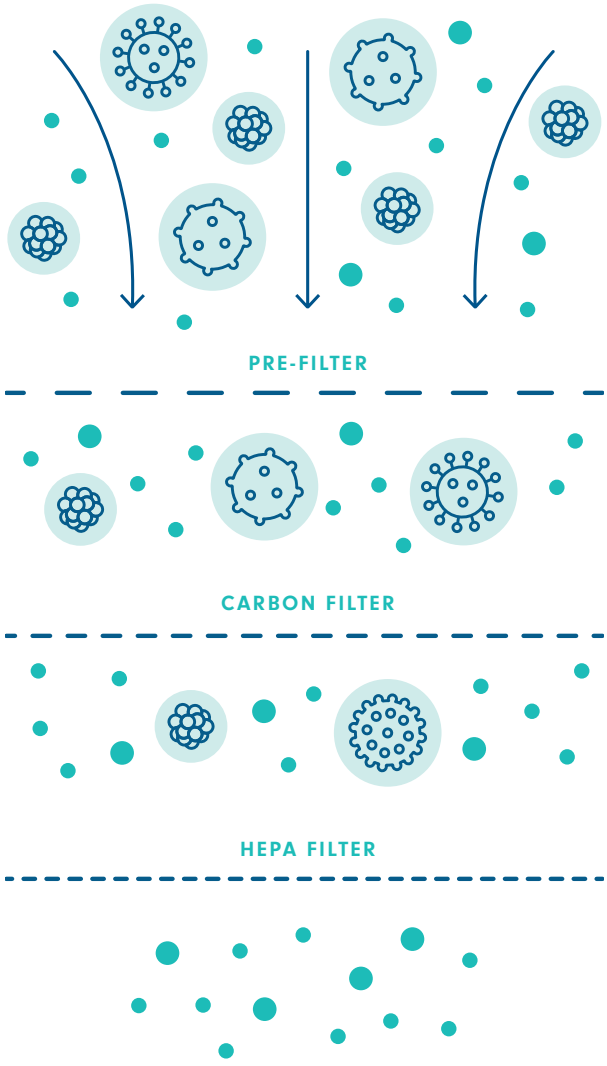
Rediroom increases your isolation capacity whilst conforming to UK Department of Health 'Infection Control in the Built Environment' and Australasian Health Facility guidelines. The disposable canopy has been rigorously tested to fire safety standards (British Standard Type C) so patients are safe and secure.

Filters infectious air

Rediroom draws infectious air through a high-grade H12 HEPA and carbon filters to remove 99.5% of particles down to 0.3 microns. That's more efficient than an N95 respirator and small enough to trap respiratory droplets & bacteria before filtered air is returned to the ward.

Designed for infection prevention

Rediroom is designed to make good infection prevention practice easy. The frame is easy to decontaminate and tested against common hospital disinfectants. Whilst hands-free entry and built-in PPE station encourage good practice whilst in use.



SUITABLE FOR DROPLET & CONTACT PRECAUTIONS

The two most common types of isolation precautions are droplet and contact. Rediroom offers effective isolation for both.

Effective isolation

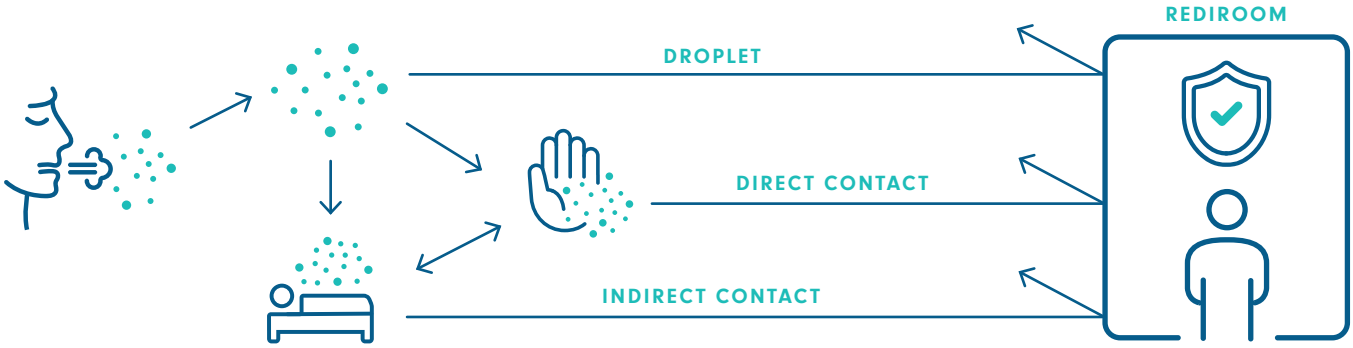
A host of pathogens can spread via respiratory droplets, direct contact (typically through contaminated hands) or indirect contact (involving contaminated surfaces). Isolating infectious patients is an effective step in stopping the spread of infection[3].

Placing infectious patients within a Rediroom creates a physical separation to disrupt direct contact. Our H12 HEPA filter removes respiratory droplets and pathogens from filtered air. The hands-free entry and exit help reduce hand contamination. In-built PPE station promotes best practice, putting protective equipment, hand hygiene and surface disinfectants all at the point of use.

Rediroom is suitable for:

- Influenza
- Diphtheria
- Mumps
- Pertussis
- Meningococcus
- Norovirus
- Aspergillus adenovirus
- Rotavirus
- Group A streptococcus
- MRSA
- *C. difficile*
- Gastroenteritis of unknown aetiology
- CPE
- MDR Gram-negative organisms and other infections requiring droplet or contact precautions.

Figure 1: The spread of pathogens via contact and droplet transmission. Adapted from Otter et al. J Hosp Infect. 2016;92(3):235-50[4]



COST-EFFECTIVE CAPACITY

There's a worldwide shortage of isolation spaces in healthcare.

Historically, nearly 1 in 4 times that a patient should be cared for in isolation, they have to be cared for on an open ward[5].

Permanent solutions reduce overall capacity

With the rise of antibiotic resistance, healthcare providers often look to convert existing multi-bed wards into multiple single side-rooms. Permanent construction is expensive, difficult to organise within a working hospital and results in a reduction in overall bed capacity. The floorplan of a typical 6-bed open ward can only accommodate roughly 3 single side-rooms.

Rediroom can fit into a standard bed space, allowing healthcare providers to increase their isolation capacity without reducing their overall number of beds.

NHS Trusts that have introduced Rediroom have increased their isolation capacity by up to 12%

Because Rediroom provides effective isolation without requiring construction work, it offers healthcare providers a cost-effective solution to increase their isolation capacity.

The cost-effectiveness of temporary single-patient rooms to reduce risks of healthcare-associated infection[6]

Graves et al. *J Hosp Infect.* 2021.

This paper examined if Rediroom would be a cost-effective intervention in the NHS. The authors used financial modelling informed by published data on rates of nosocomial infections in UK hospitals. Healthcare-associated infections cost the NHS £2.7 billion per year[7], effective interventions to reduce the spread of HCAIs have significant financial impact on Trusts.

The authors found that Rediroom was likely to be cost-effective in the NHS. With an expected cost of just £5,829 per Life Year Gained (LYG), well below the common benchmark of £13,000 per LYG.

LIFE WITH A REDIROOM

Redroom provides ample space for staff to carry out patient care.

When used on a ward, staff were able to perform tasks just as they would in a standard bed space on an open ward[1].

At the same time, Redroom is mobile and compact enough to be deployed in a range of situations:

Hospital settings

Multi-bed wards (adult & paediatric), surgical wards, emergency departments, ITUs, dialysis departments, ambulatory day care units, recovery units, triage areas, immediate admissions areas, screening & swabbing areas, vaccination clinics, phlebotomy.

Other settings

Aged-care settings, outbreak situations, airports and military facilities.

"The problem is that there is no easy isolation... With Redroom you can create an effective isolation area and retain the flexibility to move it around anywhere. There's no other product on the market that can do that."

Dr. David Cooksley
Senior Emergency and Retrieval Physician –
Royal Brisbane & Women's Hospital

Inside Redroom, easy patient care

About GAMA Healthcare

Rediroom is designed and developed by GAMA Healthcare – infection prevention specialists, and providers of Clinell Universal Wipes.

For more information, a product demonstration, or advice about how you could implement Rediroom in your organisation, speak to your local GAMA Healthcare Area Manager, or visit rediroom.com

References:

1. Mitchell BG, Williams A, Wong Z. Assessing the functionality of temporary isolation rooms. Am J Infect Control. 2017. doi:10.1016/j.ajic.2017.05.019
2. Mitchell BG, Williams A, Wong Z, O'Connor J. Assessing a temporary isolation room from an infection control perspective: A discussion paper. Infect Dis Heal. 2017;22(3):129-135. doi:10.1016/j.idh.2017.06.003
3. Stiller A, Salm F, Bischoff P, Gastmeier P. Relationship between hospital ward design and healthcare-associated infection rates: A systematic review and meta-analysis. Antimicrob Resist Infect Control. 2016. doi:10.1186/s13756-016-0152-1
4. Otter JA, Donskey C, Yezli S, Douthwaite S, Goldenberg SD, Weber DJ. Transmission of SARS and MERS coronaviruses and influenza virus in healthcare settings: The possible role of dry surface contamination. J Hosp Infect. 2016;92(3):235-250. doi:10.1016/j.jhin.2015.08.027
5. Wigglesworth N, Wilcox MH. Prospective evaluation of hospital isolation room capacity. J Hosp Infect. 2006;63(2):156-161. doi:10.1016/j.jhin.2006.02.008
6. Graves N, Mitchell BG, Otter JA, Kiernan M. The cost-effectiveness of temporary single-patient rooms to reduce risks of healthcare-associated infection. J Hosp Infect. 2021;116:21-28. doi:10.1016/j.jhin.2021.07.003
7. Guest JF, Keating T, Gould D, Wigglesworth N. Modelling the annual NHS costs and outcomes attributable to healthcare-associated infections in England. BMJ Open. 2020;10(1):1-11. doi:10.1136/bmjopen-2019-033367

GAMA Healthcare Ltd.,
The Maylands Building, Maylands Avenue,
Hemel Hempstead, Hertfordshire, HP2 7TG, UK.
T: + 44 (0)20 7993 0030 **E:** info@gamahealthcare.com
gamahealthcare.com/rediroom

JBN210827