

A high-angle, close-up photograph of a woman with blonde hair, wearing a light blue short-sleeved shirt, smiling warmly. She is holding the hand of a young child with blonde hair, who is also smiling. The background is a soft, out-of-focus light blue. The overall mood is positive and caring.

Vita

Patient room
solution

Patient room solution

Stable, silent and comfortable healing conditions for patients.



The Halton Vita Patient Room solution is designed to deliver the optimal patient environment – a space where patients can recover well. The Halton Vita Patient Room solution combines ventilation, heating and cooling. It ensures optimised room conditions for patient comfort, a stable thermal environment, strict standards of hygiene and enhanced safety for patients and healthcare personnel. Remote monitoring and wall panels enable staff to monitor and adjust the environment in the rooms.

Halton provides solutions in two variants: with chilled beams or with radiant panels. Both versions guarantee optimal standards of hygiene and have unique features that are easily adaptable for refurbishments and new set-ups.

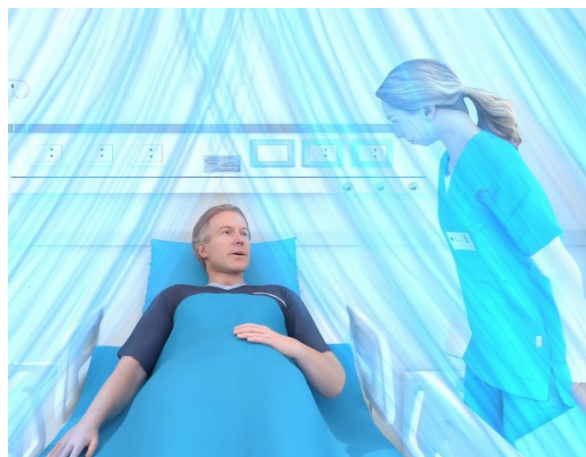
The Halton Vita Patient Room solution with Halton VPR hygienic chilled beam provides all the benefits of a standard beam solution: silent operation, high energy efficiency and a comfortable thermal environment for patients recovering in the room. In addition, the Halton Vita Patient Room solution with Halton VPR chilled beam is distinguished by an enhanced patented design that makes the beam easier to clean and maintain, improving patient safety and helping the hospital to save costs:

- Filtering front panel to prevent dust accumulation inside the beam
- Wider lamella spacing to prevent dust collection into the coil – consequently Halton VPR needs cleaning every fourth time compared to standard beam. Thus the lifetime cycle costs are remarkably lower with Halton VPR.
- Flexible hoses allowing the coil to be lowered for cleaning

All these features mean the solution is easy to maintain, with less need for specialist cleaning. In addition, the coils in Halton VPR chilled beam are coated with an antibacterial paint that minimises contamination, prevents bacteria growth and offers improved tolerance of the cleaning chemicals typically used for disinfection.

Watch Halton Vita Patient Room animation [▶](#)

Protective airflow



To reduce the risk of infection and enhance the protection of medical staff Halton created Vita Patient Room solution with unique protective airflow pattern.

The Halton Vita Patient Room solution with radiant panels have a unique feature of protective airflow. The supply airflow is designed to generate an airflow pattern which prevents the bacteria exhaled by the patient entering the breathing zone of healthcare staff.

Halton Vita Patient VPA radiant panels with the smooth surface painted with antibacterial paint are highly hygienic and easy to clean. Radiant panels provide cooling, heating and ventilation. They ensure excellent thermal comfort and prevent the medical personnel from patient's bacteria.



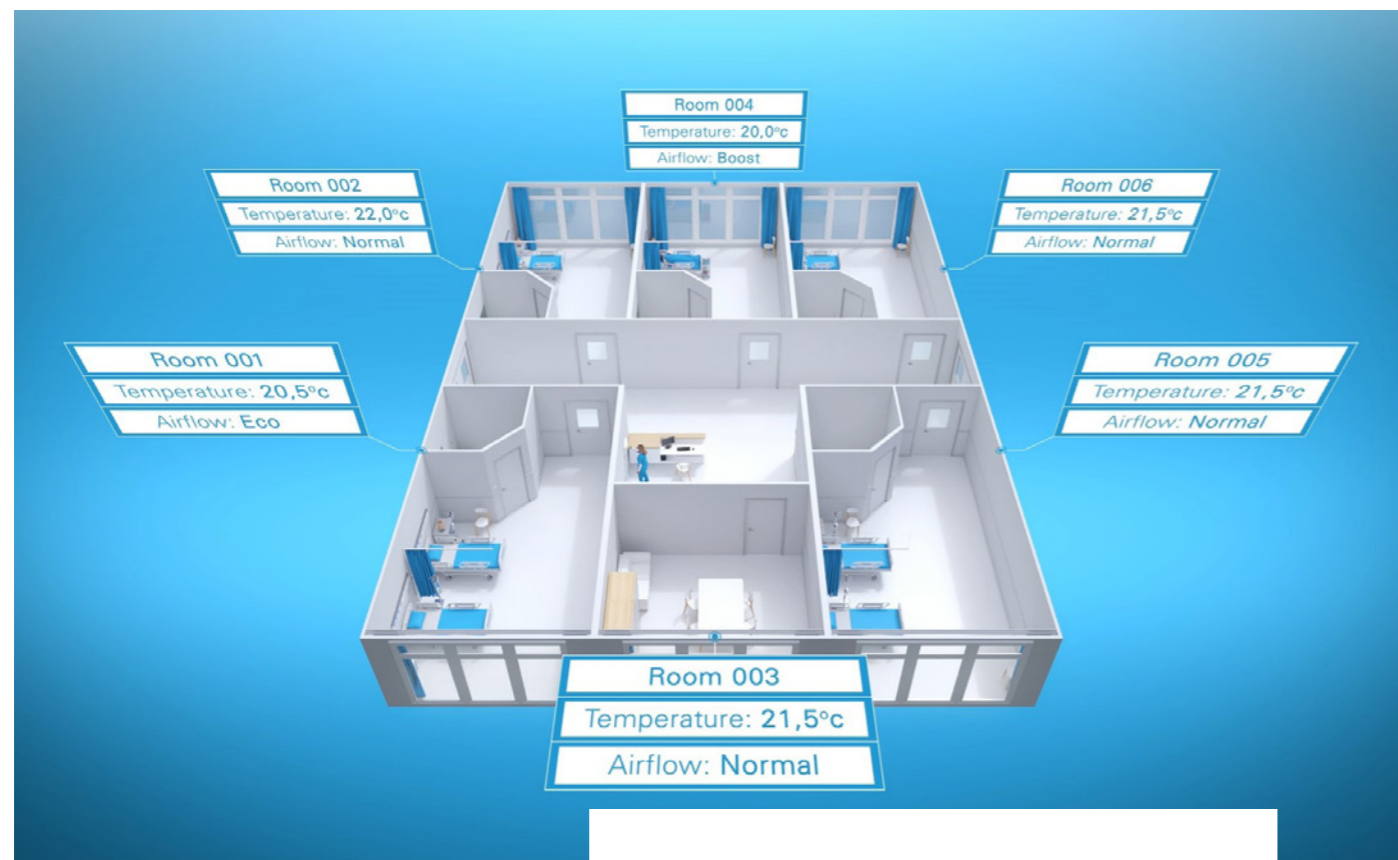
User friendly management

The HaltonVita Patient Room solution ensures that the room environment can be easily adjusted to the patient's needs and changing load conditions, for example to increase amount of fresh air during nursing situations and visiting hours.

The supervisory panel can be installed in the nurses' office or in any other location convenient for medical staff. The panel displays an overview of the rooms in the department with temperature and airflow rate (eco, normal and boost) and grants medical staff the option to control the environment of each room remotely.

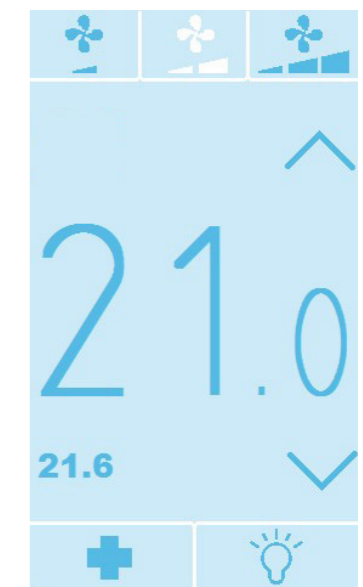
The controls react quickly to changes and the system remains energy-efficient and silent.

The Halton Vita Patient Room solution's controller communicates with Building Management Systems allowing the technical staff to view the operation of the system and room conditions.



The medical staff or the patient can easily change the conditions via wall panel in the room. The panel allows to adjust the temperature, airflow and lightning. The wall panel can also be configured to display additional information or features.

Preinstalled and pretested automation ensures the quality of the system and shortens the construction time.



A lifetime journey with Halton

Halton ensures the best outcome from early design to validation and support throughout the building lifecycle.



Halton helps you find the optimal solution for patient environments at the design phase and verifies excellent system performance at the handover. During building use, our services offer a proactive and user-centric tool for managing the safety and comfort of your indoor environment.



Halton Design Studio services

- Co-designing with the customer, defining the requirements and performance targets, matching targets to optimal OR solutions
- Halton CFD simulations for thermal comfort, air quality and system performance analysis
- Halton Mock-up for system performance and full-scale indoor environment testing conducted in Halton Innovation Hubs
- Simulated operations carried out in Halton's full-scale operating room



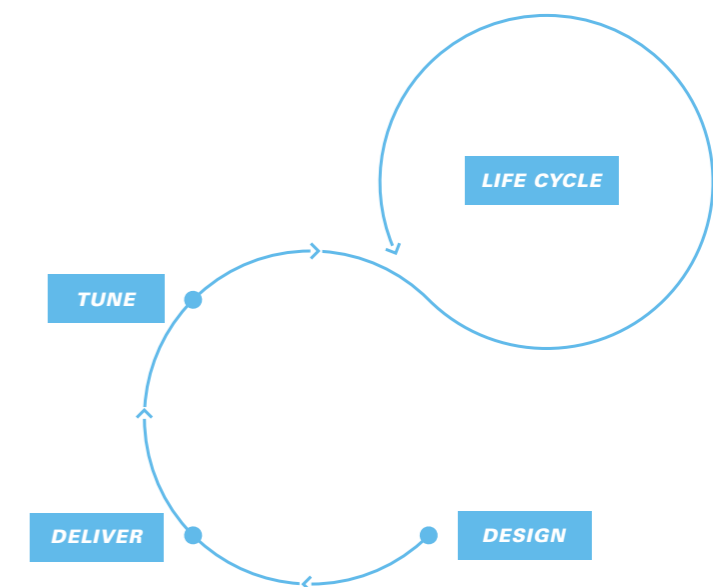
Halton Tune services

- Securing the safety and functionality of spaces with smooth commissioning and optimal system performance validation services
- Ensuring safe and comfortable working conditions with space cleanliness and indoor climate validation services
- End-user training for all solutions



Halton Life Cycle services

- Continuous validation and fine-tuning services for guaranteeing the safety, hygiene and comfort of spaces
- Regular maintenance services for all Halton Solutions
- System performance evaluation and optimization



Vita

Wherever air quality is critical, we take care of every breath you take.

Your partner in indoor air quality

Halton is your lifetime partner from the design of the systems, through the construction process to annual maintenance. Our services cover your project from end to end, ensuring the best solution for all your needs.

- Project design and support
- Pre-validation with mock-up or CFD modelling
- Commissioning and performance validation
- Annual maintenance
- Halton HIT Design tool and solution documentation

Halton Vita Solutions

Demanding spaces

- Operating rooms
- Laboratories
- Patient environments
- Isolation rooms
- Hospital pharmacies

Specialised needs

- Outdoor air intake hygiene
- Fire and smoke safety
- Air diffusion and thermal comfort
- Solutions for hospital kitchens

Halton Vita solutions are designed for

- Maximum safety, reliability and comfort for professionals and patients
- Easy and intuitive system use and monitoring with smart controls and interfaces
- Optimised energy efficiency with demand-based system operation

Halton is a key supplier for all indoor air solutions in the ultra-modern Nya Karolinska Solna University Hospital in Sweden – the world's largest PPP hospital with LEED Gold certification. Illustration: White Tengbom Team.

Vita

Halton Vita Values

Putting people first

Halton Vita solutions are made for people who depend on them. From laboratory and pharmaceutical professionals to doctors, nurses and their patients, our first responsibility is the safety, comfort and wellbeing of these people and their environment.

Passion for better solutions

We are driven by our customers' needs, and demanding spaces demand better solutions. Halton Vita solutions are designed, produced and delivered to the highest standards of safety, quality and efficiency.

Solving each challenge together

Delivering the best solutions for demanding spaces requires great flexibility, a commitment to continuous development, and close cooperation with our customers. Together, we can ensure that every Halton Vita solution meets the unique demands of your project and the people it serves.