



With antibiotic resistance as a constant threat, innovations in surgical environments and patient care are highly needed.

Avidicare takes this threat seriously and we are committed to enhancing safety, efficiency, and sustainability in healthcare. We are providing optimized ventilation solutions ranging from state-of-the-art hybrid operating rooms to smaller surgical rooms for clinics at a local mall. We work hard to align with the latest strategies addressing antibiotic resistance and surgical site infections, while having sustainability in focus. Discover how optimized air quality, advanced infection prevention, and improved thermal comfort are transforming operating rooms worldwide in today's newsletter.

We look forward to developing sustainable, comfortable and safer healthcare facilities with you!

New Hybrid ORs with Opragon Ventilation Solution are inaugurated in Sweden and Germany!



All the new operating rooms at **Skåne University Hospital in Malmö** feature Opragon ventilation solutions as means to future-proof safe surgery for many years to come. The solution utilizes temperature differences to create an "air curtain" ensuring a constant flow of fresh, clean air in the operating room. Adjacent to the operating rooms are separate preparation rooms allowing staff to set up for upcoming procedures while another surgery is in progress, thereby increasing efficiency. The improved ventilation contributes to a better working environment for healthcare personnel and enhances the overall quality of patient care. Read more about the operating rooms in this article (in Swedish)

<https://www.sydsvenskan.se/2025-02-07/sa-gor-nya-salar-operationerna-sakrare-pa-sus/>



St. Agnes Hospital in Bocholt has modernized its hybrid operating room, featuring Opragon advanced ventilation solution that enhances hygiene and minimizes infection risks. This upgraded system supports safer, more precise procedures, contributing to

quicker recovery times and improved patient safety, especially for high-risk groups. Read more about the installation here (in German)

<https://www.muensterlandzeitung.de/bocholt/bocholt-krankenhaus-modernisiert-hybrider-op-saal-vorteile-fuer-patienten-w996280-9001489908/>



The Growing Threat of Antibiotic Resistance

Antibiotic resistance is an urgent global challenge that requires immediate action. While ongoing research aims to develop effective alternatives, infection prevention measures such as hygiene, ventilation, and prudent antibiotic use remain vital. Opragon ventilation systems contribute by being proven to reduce airborne bacteria levels during surgery. This has been shown for more than 15 years in more than 15 countries helping healthcare avoid excessive use of antibiotics.

Read more about Antibiotic Resistance, and how to prevent airborne contamination to reduce the risk of infections here.

<https://www.avidicare.com/blog/2025/01/16/the-growing-threat-of-antibiotic-resistance-and-the-importance-of-infection-prevention/>



How to address Surgical Site Infections (SSIs)

Reducing the risk of Surgical Site Infections (SSI) significantly enhances healthcare sustainability by minimizing the need for repeat surgeries. Apart from the obvious benefits for patients, this also decreases the energy consumption associated with operating rooms, which are among the most resource-intensive areas in hospitals. Additionally, it reduces the use of antibiotics, supporting efforts to combat antimicrobial resistance and

decreasing the environmental impact of pharmaceutical waste. By preventing infections, fewer medical supplies and single-use items are required, leading to less waste generation. Learn more about the approach in our blog.

<https://www.avidicare.com/blog/2025/01/28/the-persistent-challenge-of-surgical-site-infections-ssis-and-how-to-address-them/>



Keeping Cool under Pressure – Importance of Thermal Comfort in the OR

Thermal comfort is not a luxury in the operating room; it's a necessity for optimal surgical outcomes. **The operating room should be a well-designed space that not only facilitates surgery but also supports the physical well-being of those working within it.** Read more about why thermal comfort matters here.

<https://www.avidicare.com/blog/2025/02/10/keeping-cool-under-pressure-the-importance-of-thermal-comfort-in-the-operating-room/>



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