
STERISAFE®
AUTOMATED FULL-DEPTH DISINFECTION SOLUTIONS WITH OZONE
STERISAFE PRO

STERISAFE SOLUTIONS

STERISAFE is the leading provider of automated disinfection solutions for air and surfaces, using ozone. We are a health-tech company with the ambition to lead the change, for a world where infection is no longer part of people's lives.

With strong emphasis on science, innovation and sustainability, we continuously aim to develop our product portfolio and technologies to provide the best technical solutions to our clients.

STERISAFE is delivering holistic disinfection solutions that performs on three crucial points: Safety, Accountability, & Sustainability.

OUR JOURNEY

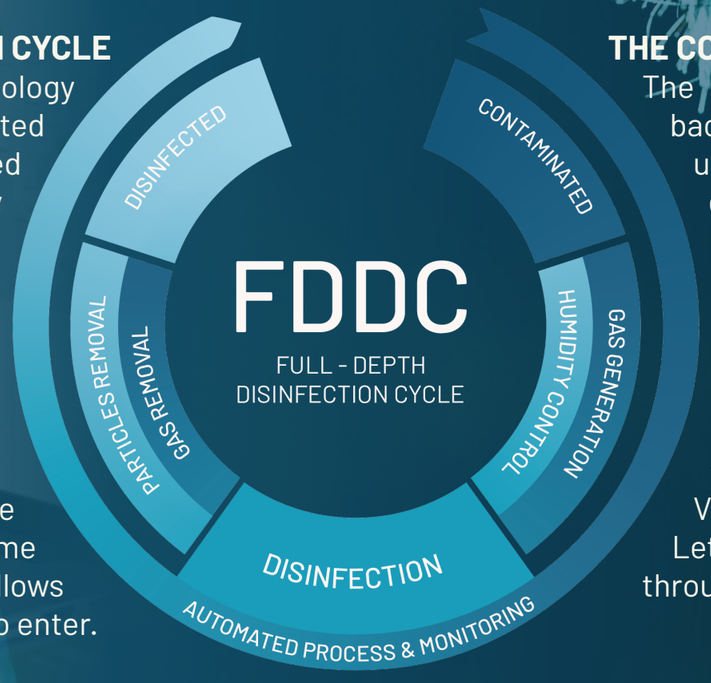
STERISAFE's journey began as an innovative project at our sister company called INFUSER, back in 2014. With strong ambition to bring life changing and innovative products on the market a team of chemists and engineers started a project to develop a sustainable, safe and effective, room disinfection solution. A project that came to be known as STERISAFE.

The STERISAFE project pioneered a unique and patented technology, named after its properties to disinfect: The Full Depth Disinfection Cycle (FDDC).

Utilizing the oxidative features of the atmospheric gas ozone, STERISAFE PRO, became the first product to use the FDDC technology. The initial success of the STERISAFE PRO resulted in a formal company spin-off of STERISAFE ApS in 2019.

STERISAFE's FULL-DEPT DISINFECTION CYCLE

The Full-Depth Disinfection Cycle (FDDC) technology will transform a contaminated room to a disinfected and safe environment, through an automated process. This process includes humidity control and gas generation to disinfect air and surfaces from all harmful pathogens, such as virus, bacteria and the so-called superbugs, the antibiotic resistant bacteria. The process is 100% chemical free and due to its gaseous properties, the biocide reaches all surfaces from floor to ceiling, leaving no spots untreated. Disinfection is complete when the active removal of particles and gas is finished. Real time monitoring throughout the disinfection cycle allows operators to know when the room is safe to enter.



THE CORE OF ALL STERISAFE SOLUTIONS

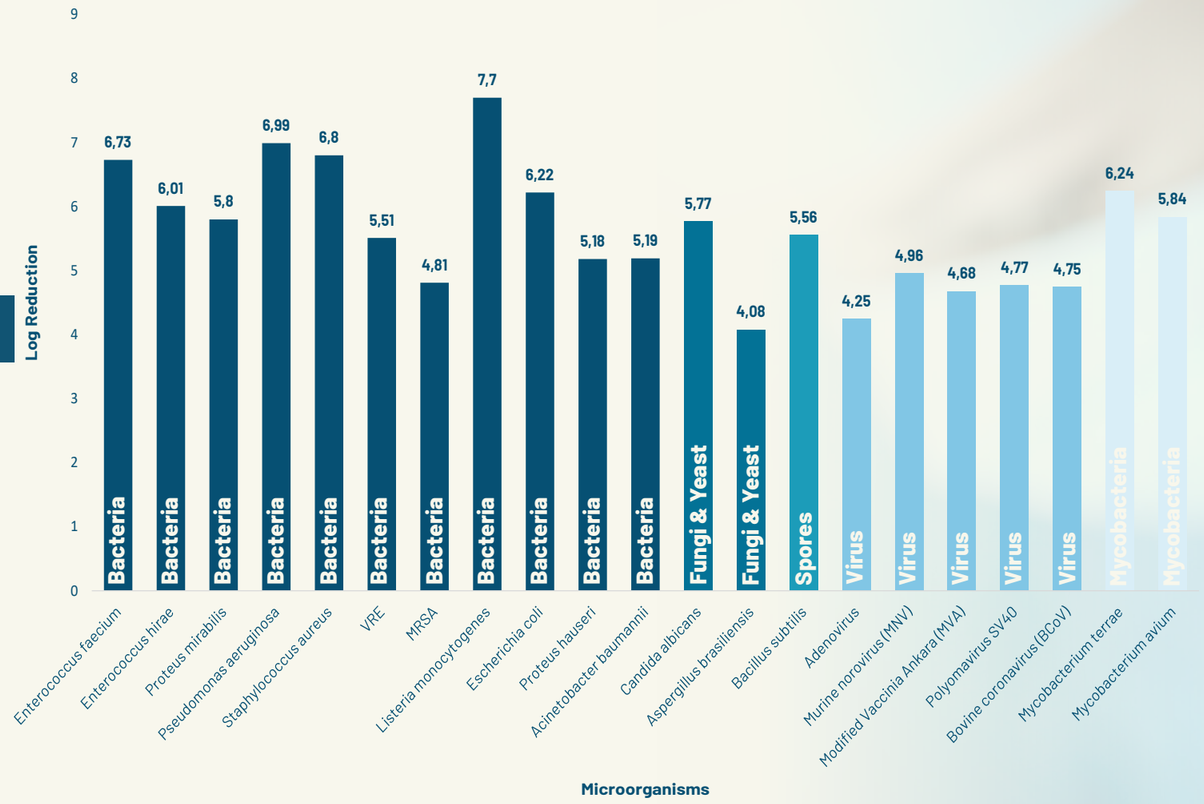
The Full-Depth Disinfection Cycle (FDDC) is the backbone of all STERISAFE solutions and is almost universal in its implementation. With our thorough end to end implementation process and support, our solutions can be adapted to projects in all sizes and across many industries, to fit customer specific requirements. Our solutions are easy to operate with training from our licensed operators and all disinfection units share the same platform for monitoring, data gathering, reporting and validation through our cloud system, STRATOS. Validation and compliance have never been easier. Let us help you find the right solution and guide you through the correct implementation process of our FDDC technology.

SUSTAINABILITY

ACCOUNTABILITY

SAFETY

Microbial efficacy table for The Full Depth Disinfection Cycle



A STAMP OF QUALITY & RIGOR

At STERISAFE we stand behind science to validate all our claims. To know that our clients can feel safe and trust in our products is something we value more than anything. Efficacy validated by independent and accredited laboratories tests, following the health-care industry test standard, EN 17 272. Efficacy tested in real life scenarios. Bactericidal, fungicidal, virucidal & sporicidal.

CE

EUO3TA.org European Ozone Trade Association

intertek Total Quality. Assured.

ECHA EUROPEAN CHEMICALS AGENCY

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THE THREE PHASES OF THE FDDC

Build-up

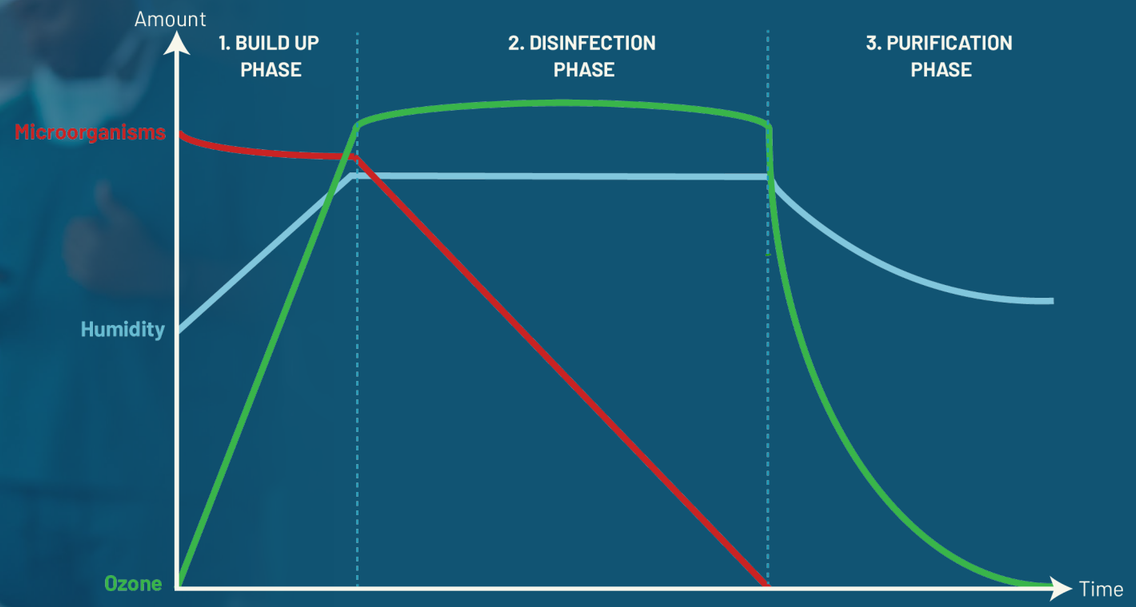
- Biocide gas (O3 - Ozone) is generated in-situ.
- Gas is effectively diffused in the whole room by integrated fan.
- Full control of concentration and humidity levels, to guarantee sufficient levels during disinfection phase and to validate the disinfection process.

Disinfection

- Biocidal gas concentration and humidity levels reached and maintained.
- Spread to all cracks and corners, from floor to ceiling by integrated fan.

Purification

- All remaining biocide gas actively removed and turned to oxygen.
- Removal of all particles and nanoparticles (particle pollution).
- Parameters monitored to guarantee safety at re-entry into the room.



- Kills up to 99,99999% of all bacteria, virus and fungi
- No chemical residues left in the room
- Easy to use & install
- Entire process fully monitored
- Immediate use of rooms after finished cycle
- No chemical additives – consumes only water and electricity

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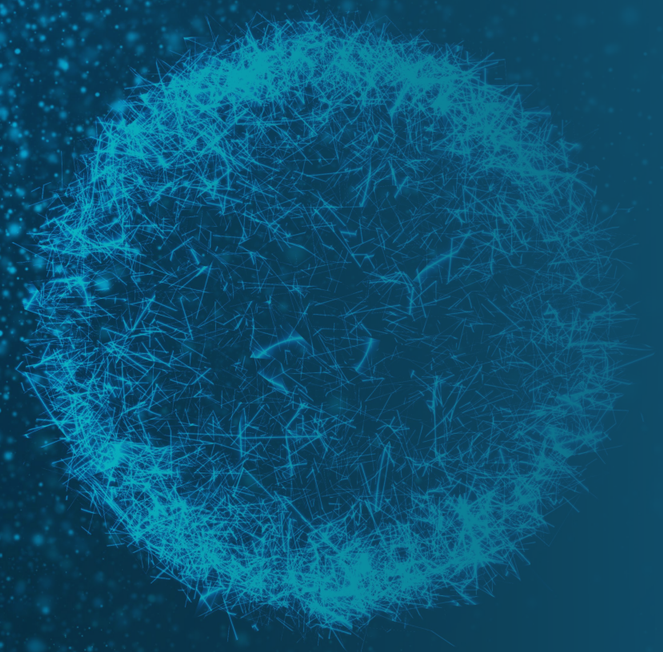
HELPING INSTITUTIONS IMPROVE

Implementing a STERISAFE solution to your infection prevention & control procedures, leads to improved outcomes & quality, while saving costs on the bottom line. Whether your goal is to reduce SSI rates, prevent and contain outbreaks, disinfect equipment or enhance terminal cleaning procedures we are driven to help our clients to achieve the best results. Let us guide you to the optimal solution and help through the right implementation process of our FDDC technology.



OBSTACLES IN CURRENT DISINFECTION PROCEDURES

» Many sites remain contaminated after cleaning/disinfection. Current perioperative or preventive disinfection methods are often not effective enough to ensure elimination of all microorganisms on surfaces.

» Current disinfection solutions involve heavy use of chemicals and can leave chemical residues.

» Long term exposure to even small amount of chemicals can lead to severe reverse health effects and should not be taken lightly.

» Chemical solutions provide no dose control or disinfection validation guarantee.

A STERISAFE SOLUTION

» Automated whole room disinfection, reaching all cracks and corners from floor to ceiling - Leaves no areas contaminated.

» No use of chemicals or need for storage of chemical goods.

» Protect patients and staff from being exposed to chemicals, with the active removal of the biocide, validated by live monitoring.

» Automated disinfection cycles, with dose control and validation guarantee.

STERISAFE®

WHOLE ROOM OR EQUIPMENT DISINFECTION

At STERISAFE we accommodate many different applications. The most common, being disinfection of equipment or disinfection of high risk infection zones, such as operating theatres.
Two projects are rarely the same. With more information about your project, we can create the best solution, taking your application and needs into account.

EQUIPMENT DISINFECTION

Scan the QR code to view an example of how, just one of our clients, are using STERISAFE disinfection solutions to improve their processes for equipment disinfection.

ROOM DISINFECTION

Scan the QR code to view an example for room disinfection with a STERISAFE solution. This is just one of many examples for how our disinfection solutions can be applied.

A TECHNOLOGY BASED ON SCIENCE

Working close with the scientific community contributes continuosly to our claims and future development. STERISAFE's scientific approach is embedded in all we do from our R&D to the real life use of our products.

Evaluation of the Effectiveness of Two Automated Room Decontamination Devices Under Real-Life Conditions.
Knobling B., Franke G., Klupp E.M., Belmar Campos C. & Knobloch J.K. (2021)

An automated room disinfection system using ozone is highly active against surrogates for SARS-CoV-2.
Franke G, Knobling B, Brill FH, Becker B, Klupp EM, Campos CB, Pfefferle S, Lütgehetmann M, Knobloch JK

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