SANONDAF®

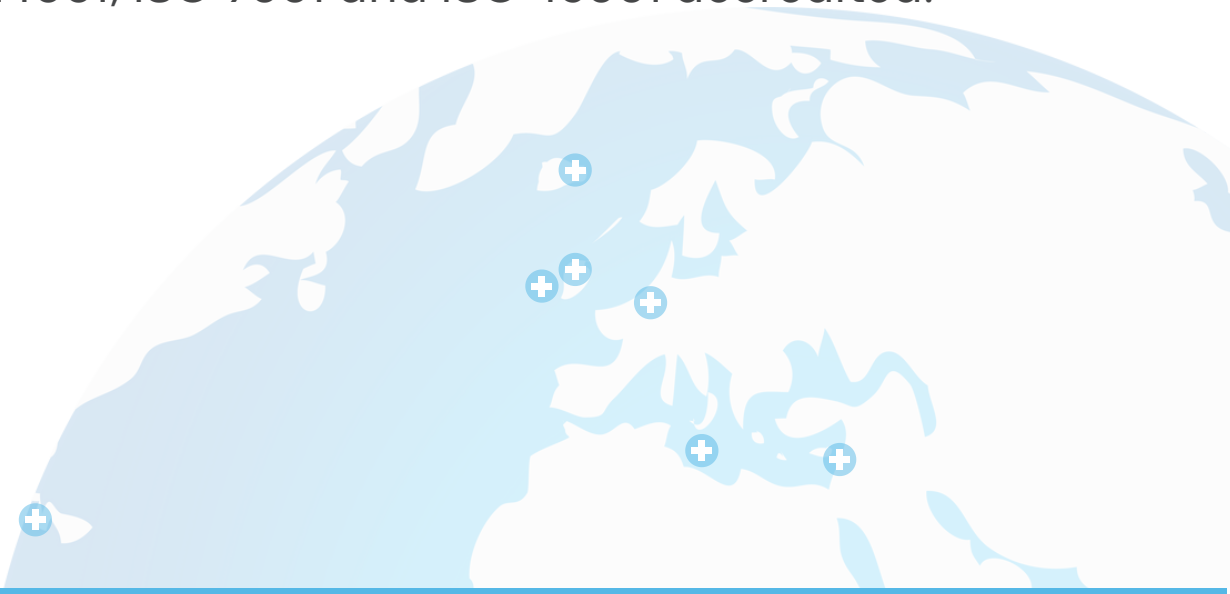
touch-less disinfection services

WELCOME TO **SANONDAF**

Sanondaf is an innovative company specialising in decontamination and disinfection using touch-less technologies.

Sanondaf's global HQ is in the UK and has offices throughout Europe, the Middle East, Latin America, Africa and Asia.

The company was established in 2014 and is ISO14001, ISO 9001 and ISO 45001 accredited.



Dedicated to disinfection technology

WHAT WE DO

Sanondaf provides a touch-less disinfection system that kills at least 99.99% of **harmful viruses, bacteria, fungi, mould and other organisms which can cause a concern for public health**. **This is delivered using our innovative, leading edge** fogging and electrostatic spraying system, combined with a high performance hydrogen peroxide disinfectant SanoChem. **Used as a supplement to traditional infection control measures, such as manual cleaning.** SanoChem contains no toxic ingredients and poses no known threat to humans, animals or plants. It is also non-corrosive and safe for use on electronic devices and equipment.

SanoChem effectively eradicates the following:

Coronavirus, MRSA, Norovirus, H1N1 and H5N1 (flu virus), Clostridium Difficile (C-Diff), Escheria Coli (E-Coli) and many more.

OUR MISSION

Our mission is to help people live, work and play safely, by reducing the risks associated with infection and cross-contamination.

We achieve this through our commitment to using the highest quality products, fully trained **Sanondaf** technicians and continuous product development.

WHO DO WE SERVE

Sanondaf provides touch-less disinfection and decontamination services on a regular contract or rapid response basis. We deliver our efficient and comprehensive decontamination and disinfection services across ALL markets and sectors including:

- Hospitals & healthcare
- Life science
- Childcare
- Education
- Residential care facilities
- Animal health
- Hotel and leisure
- Offices
- Transport
- Marine

WHY TOUCH-LESS

Sanondaf employs the latest technology and innovations for regular touch-less decontamination and disinfection services.

CONCEPT

The latest generation of Sanondaf touch-less disinfection solutions combines the effect of our fogging and spraying devices using SanoChem solution. This dual effect enables the air and all surfaces in an area being treated to be disinfected automatically, including those areas which are difficult to reach using standard cleaning protocols.

Sanondaf use a patented, highly effective oxidising disinfectant that eradicates at least 99.99% of all viruses, bacteria and other pathogens.

SANO FOG

Total Area Disinfection

Our fogging device has an ionising turbine that transforms the disinfectant liquid, into a dry fog. The vapour fills the room and is drawn into every nook, crevice and corner, reaching surfaces and areas that manual cleaning and disinfecting cannot.

SanoFog assures an optimal distribution of disinfectant on all surfaces in the room, reducing the risk of cross-contamination of infectious diseases associated with traditional infection control methods such as manual cleaning. Sanofog is also non-corrosive and is safe for use on electronic devices and equipment.

SANO STATIC

Surface Disinfection

The electrostatic device sprays disinfectant using a patented nozzle that adds an electrostatic charge as it is applied so that the disinfectant solution surrounds and clings to the surface it touches.

This ensures the optimal distribution of disinfectant, and can be used to specifically target areas where risks of cross-contamination are highest.

PROCESS

Our technology transforms our liquid into ionized particles via a fogger with a proprietary nozzle or electrostatic spraying system. This achieves the perfect droplet size, which are then dispersed by our devices, engineered with a precision air compressor, turbine and nozzles.

RESULTS

The unique aspect of the Sanofog / Sanostatic spraying devices and Sanochem acts preventatively reducing the risk of contamination to a minimum, without risk of antimicrobial resistance. A decontamination and disinfection process can also be used for an ad hoc application or against severe contamination.

TECHNOLOGY

- Disinfects in a simple and safe manner. The product we use is a stabilised hydrogen peroxide (H_2O_2) which breaks down into water (H_2O) and oxygen (O_2).
- 100% biodegradable and contains no toxic ingredients.
- Full spectrum and activity as a bactericide, virucide, fungicide, and sporicide as defined by current standards.
- Uniform disinfection of all surfaces including electronic equipment, without corrosion or oxidation.
- Effective dry spray which does not leave any wet surface or residue.
- Approved as a hospital-grade disinfectant and for use in operating theatres with delicate theatre systems and is CASA (Civil Aviation Safety Authority) approved.
- Proprietary disinfectant, manufactured in accordance with ISO9001/13485 standards.

BENEFITS

- Takes only a few minutes to disinfect a standard room or area.
- 1m ^{3} -20,000m ^{3} area size can be successfully treated in a single application.
- Successful and extensive validation packages in healthcare and life science.
- More cost effective than many traditional methods of steam-cleaning and disinfecting.
- Product is considered non-allergenic and poses no known risk to humans, animals, plants or the environment.
- Can also be effective at eliminating undesired odours.

WHY SANOCHEM

What is SanoChem?

SanoChem is a formula made from a unique blend of hydrogen peroxide. It is ideal for surface disinfection and water treatment.

Is SanoChem safe ?

Yes. SanoChem has a very low toxicity rating which means it is safe for you, your pets and the environment.

Does SanoChem have a harsh smell, like Chlorine Products?

No. SanoChem is odour-free and clear.

Is it environmentally friendly?

Yes. The ingredients in SanoChem decompose into water and oxygen, and do not contaminate the environment with any toxic by-products.

What does "Touch-less disinfecting" mean?

Wiping spreads germs from surface to surface. Because SanoChem is non-toxic, it requires no rinsing and no wiping. Simply spray and walk away.

Does it kill mould?

Yes. SanoChem kills many different types of mould including Aspergillus (black mould) and Trichophyton mentagrophytes.

Does it provide residual disinfecting?

Yes. SanoChem leaves behind a safe, undetectable layer of silver ions on surfaces. This helps prevent future contamination of the surface.

Does SanoChem kill H1N1 Swine Flu VIrus?

Yes. SanoChem is independently tested and approved to kill the H1 N1 Swine Flu Virus. SanoChem is also effective against mutating viruses because it works in three ways to kill micro-organisms. Other leading disinfectants kill in only one way making them ineffective against mutating viruses.

How does SanoChem compare to other disinfectants?

SanoChem is a broad-spectrum disinfectant that kills a wide range of bacteria, viruses and fungi. It performs equal to, if not better than, other disinfectants with improved safety. Bleach and other disinfectants can be carcinogenic (cancer-causing) and mutagenic (mutates genes). They can also cause severe eye, skin and lung irritation. SanoChem contains no toxic ingredients, and is the safer choice for disinfecting.

On what surfaces can it be used?

- ✓ Medical and Lab equipment
- ✓ Keyboards, PC screens and phones
- ✓ Toilets, counter tops, sinks
- ✓ Door handles
- ✓ Toys (inc. soft toys)
- ✓ Sports and Gym equipment
- ✓ Furniture (inc. soft furnishings)
- ✓ Magazines and books
- ✓ And much more

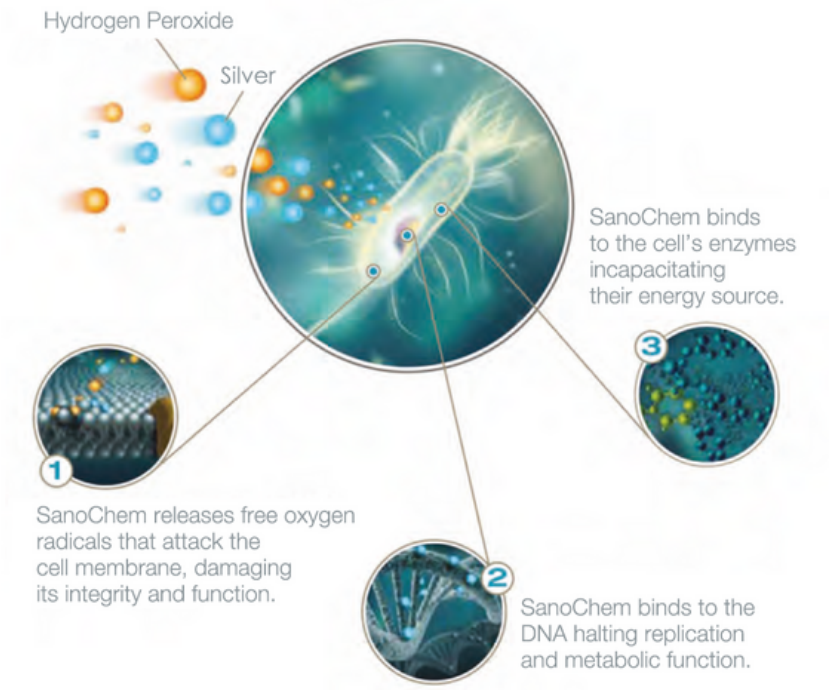
SanoChemistry

Shock treatment disinfection

The oxygen, split off by the hydrogen peroxide, attacks the cell walls of the microorganisms upon direct contact. The chemical reaction of the oxygen with molecules in the cell walls destroys them. This effect is boosted by silver ions that bind to the disulfide bonds of certain proteins, both of the reproduction complex as well the metabolic system of the microorganisms, causing them to precipitate.

To put it simply: the hydrogen peroxide affects the membrane of the microorganisms, allowing the silver inside. This combined effect boosts and/or exponentiates the biocide effect of hydrogen peroxide and silver.

While H_2O_2 breaks down into water and oxygen $2\ H_2O_2 \longrightarrow 2H_2O + O_2$ afterwards, minute traces of silver remain on the disinfected surface. These traces are invisible and non-toxic but actively and effectively counteract microbial contamination.



WHAT PATHOGENS DOES SANOCHEM KILL?

- Bacteria (gram-positive/gram-negative)
- Yeasts and fungi or any broad protozoa spectrum
- Virus (with and without protective coat)

Current list of tested pathogens include:

Acinetobacter Iwoffii
Acinetobacter spec
Adenovirus human type
Adenovirus type 5
aerobic/ anaerobic germs, fungi
Alternaria (Post Harvest Loss)
Ameobae (Dauerform/Cyste)
Amoebae species
Aspergillus niger
Aujestzky
Aujeszkyvirus
Avian Influenza Virus
Bacillus (Aerob Sporoform)
Bacillus anthracis
Bacillus cereus (Spores)
Bacillus circulans (incl. Spores)
Bacillus Koch/ MycoBacterium Tbc
Bacillus licheniformis (Spores)
Bacillus subtilis
Bacillus Subtilis (Spores)
Bacterias in Culture Medium (hor sol)
Botrytis (Post Harvest Loss)
Bovines Enterovirus
Candida albicans
Candida stell.
Citrobacter freundii
Clostridium sporogenes
Coliformal germs
Corneybacteria
Coronavirus
Cryptosporidium parvum Oozysten
ECBO Bovines Enterovirus
Enterobacter aerogenes
Enterococcus Faecium (VRE,resistant)
Enterococcus hirae
Enterococcus hirae (with exposure)
Enterovirus polio
Escherichia coli
Felines Calicivirus /Norovirus (Spray)
Hansenia spor.
Hepatitis B HBV (with exposure)
Hepatitis C
HIV
Influenza A
Influenza A (H5N1, H5, H7, H9) Bird Flu
Klebsiella oxytoca
Klebsiella pneumoniae
Moraxella spp
MRSA (Staphylococcus aureus)
Mucor (Post Harvest Loss)
Mycobacterium phlei
MycoBacterium tuberculosis
Neisseria meningitidis
Newcastle Disease
Norovirus (feline Calicivirus) (Spray)
Orthopoxvirus vaccinia
Parvovirus Gans
Pediococcus
Pediococcus damnosus
Penicillium
Penicillium (Post Harvest Loss)
Penicillium roqueforti
Pichia membranaefaciens
Poliovirus type 1
Proteus mirabillis
Pseudomonas aeruginosa
Pseudomonas aeruginosa (Biofilm)
Pseudomonas aeruginosa (with exposure)
Pseudomonas fluorescens
Pseudomonas spec
Rhizopus
Saccharomyces carlsbergensis
Saccharomyces cervisiae
Saccharomyces uvarum
Salmonella enterica
Salmonella spec
Salmonella typhi
Salmonella typhimurium
Staphylococcus
Staphylococcus agalactiae
Staphylococcus aureus
Staphylococcus aureus MRSA
Staphylococcus faecium
Staphylococcus marcescens
Streptococcus
Streptococcus faecalis
Swine Fever Virus
Trichophyton mentagrophytes (ringworm)
Vaccinia virus
Vibrio cholerae
Vibrio parahaemolyticus
Yersinia pestis
Zygosaccharomyces ferm

WHO USES **SANONDAF?**

SANONDAF disinfects enclosed and open spaces using SANOFOG and SANOSTATIC spraying devices.
It can be used in ALL industry sectors and markets, including the following:

Hospitals:
Patients die each year from infections they acquire after being admitted to a hospital or other healthcare facility. Because of their size and complexity, hospitals are difficult to properly disinfect. Typically, healthcare workers routinely work with multiple patients over a shift increasing the chances for spreading infections. The Sanondaf process can be used in all areas within a Hospital, including on equipment.

Doctors, Nurses and Healthcare Assistants:
These professionals see multiple patients throughout their day. Not all of their patients show symptoms of an infection at the time of a visit so it is critical that every step is taken to prevent the spread of infection, from hand washing to the routine cleaning and disinfecting of equipment, the reception and examination rooms. The Sanondaf process can be used in all areas within a surgery.

Life science, Pharma and Research:
Life science and Research facilities are complex settings who depend on decontamination as part of everyday protocols to ensure products and research is not affected by unwanted organisms. These settings require a comprehensive solution which is validated and tested in terms of performance. The Sanondaf process can be used in all areas of the Laboratory setting including cabinets and equipment.

Assisted Care Facilities:
Care staff move from room to room, interacting with residents and equipment, and residents typically gather together for social interaction and meals, increasing the risk of person-to-person transmisson of infection. Residents may often be susceptible to a suppressed immune system, meaning that thorough infection control procedures are critical in minimising the risk of an infectious outbreak, and to ensure the health and wellbeing of residents, staff and visitors alike. The Sanondaf process can be used in all areas within a care facility including equipment.

Children's Daycare Centres:
There is a growing concern amongst parents of sending their healthy child to nursery and picking him or her up at the end of the day with a cold, flu or worse, which then spreads throughout the other members of the household. The Sanondaf process can be used in all areas within a Nursery facility including toys and equipment.

Schools and Universities:
These establishments place many hundreds of people into close proximity with each other, raising the risks of harmful infectious outbreaks. All Educational establishments require to be diligent in ensuring their facilities are kept as germ free as possible, especially the high risk areas, where surfaces are touched by multiple people. The Sanondaf Process can be used in all areas within an academic facility including equipment.

Animal Health:
Vets and assistants can see many pets throughout their day potentially exposing them and their other 'patients' to many serious diseases. With different breeds and varieties of pets moving through the facility, the high- traffic areas are prime infection transfer locations. The Sanondaf process can be used in all areas of the Veterinary facility including equipment.

Gym and Fitness Centres:
Gym cleanliness is vital to your members. They expect clubs to be germ-free. Showers, Floors, Locker Rooms, Restrooms and Fitness Equipment are the most common areas for being exposed to an infection due to the high-traffic and usage of these areas. This is important because some viruses can survive on surfaces for up to 72 hours. The Sanondaf process can be used in all areas of the Gym including equipment.

Work and Office Environments:

Employees work in close proximity with one another sharing space, equipment and tasks. This kind of interaction encourages person-to-person and surface-to-person transmission of bacteria and viruses. The Sanondaf process can be used within all areas of a work environment including keyboards and electrical equipment.

Transportation:

The rapid and continuing growth in the transportation of goods and people offers an ideal environment for the quick circulation of infectious agents and cross-contamination. Efficient disinfection helps to significantly decrease these cross contamination risks, helping to protect travellers, commuters and transportation staff alike. The Sanondaf process can be used in all areas of Transport.

Hotel Industry:

The same room will be used by numerous and varied clients in a single year. Hotel rooms can contain an enormous amount of microbes. An efficient disinfection will first ensure that each new guest finds a healthy environment, and that at the same time unpleasant smells have been eliminated. The Sanondaf process can be used in all areas within a Hotel.

Marine:

Vessels can be complex with lots of moving parts and they transport large volumes of people and goods. Crews operate 24/7 and hygiene is essential for the health and wellbeing of passengers and crew. The Sanondaf process can be used in all Maritime situations.

Farming and Fisheries:

Farms and Fisheries provide a natural habitat for bacteria to flourish. If levels are allowed to increase, an outbreak could occur, causing significant risk to the poultry, fish or livestock. This could have serious consequences for the business owner, their supply chain, and customers. The Sanondaf process can be used in all areas including equipment.

Catering:

Surfaces in contact with hands or food are major carriers of cross contamination and collect and disseminate all types of germs. In order to minimise infection risks, it is important to regularly disinfect anything in contact with food. The Sanondaf process can be used in all areas of within the establishment including equipment.

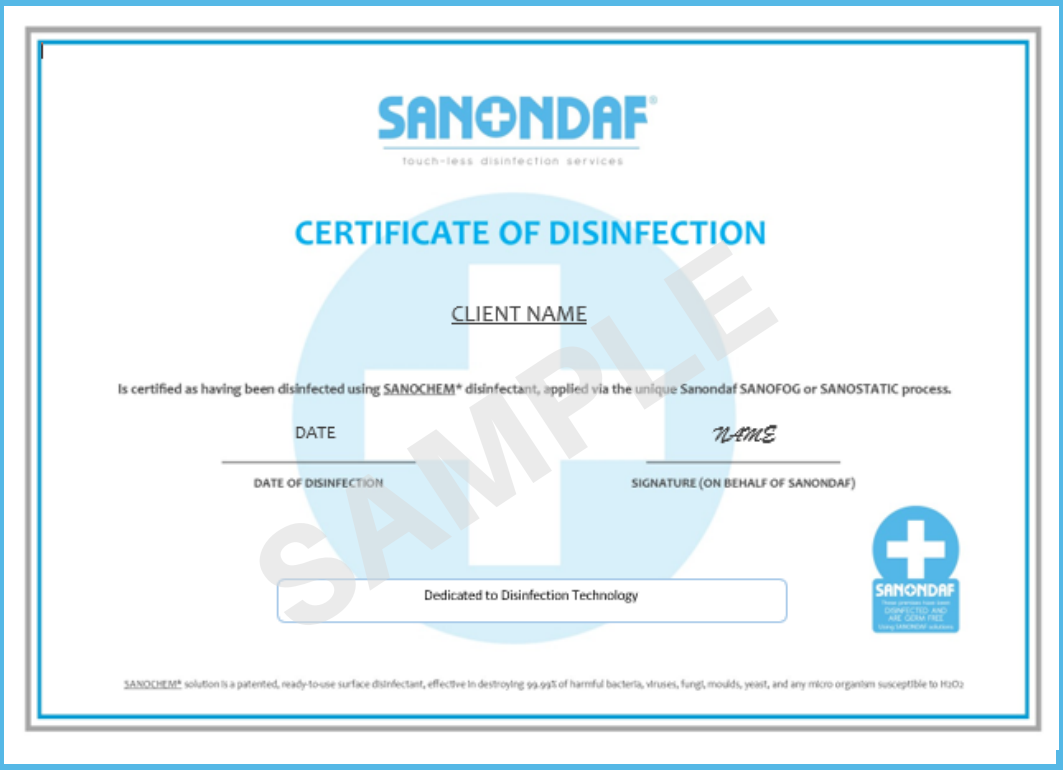
Dispersed as a dry vapour, the treatment solutions hold the following certifications

EN certification	Assessed for	Efficacy Requirements
BS EN 14476	Virucidal Efficacy	4 log (99.99%)
BS EN 1276	Bactericidal Efficacy	5 log (99.999%)
BS EN 1650	Fungicidal/Yeasticidal Efficacy	4 log (99.99%)
BS EN 13704	Sporicidal Efficacy	3 log (99.9%)
BS EN 14348	Mycobactericidal Efficacy	4 log (99.99%)
BS EN 13697	Food Applications	4 log (99.99%)

CERTIFIED

A sign with a powerful message to give you assurance

The bold SANOSEALED mark is your guarantee that SanoChem disinfectant is being used with SanoFog or SanoStatic technology, to supplement existing infection prevention measures to provide a unique and powerful surface area and whole environment disinfection regime.



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CERTIFICATE OF DISINFECTION

CLIENT NAME

Is certified as having been disinfected using SANOCHEM* disinfectant, applied via the unique Sanondaf SANOFOG or SANOSTATIC process.

DATE — DATE OF DISINFECTION

NAME — SIGNATURE (ON BEHALF OF SANONDAF)

Dedicated to Disinfection Technology

SANOCHEM* solution is a patented, ready-to-use surface disinfectant, effective in destroying 99.99% of harmful bacteria, viruses, fungi, moulds, yeast, and any micro organism susceptible to H_2O_2

SAMPLE

SANONDAF®

touch-less disinfection services


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