

SAN+NDAF[®]
touch-less disinfection services

WELCOME

SANONDAF headquartered in Malta, with offices in North Africa, Middle East & Europe, is a Franchise company set up as specialists in the Decontamination and Disinfection market using revolutionary + completely touch-less disinfection technologies and solutions.



Swiss Biochemistry Dedicated
to Disinfection Technology

WHAT WE DO

SANONDAF offers an innovative, leading edge hydrogen peroxide fogging and an electrostatic spraying system that delivers powerful supplemental room surface disinfection using an EPA registered disinfectant, SanoChem. Used as a supplement to infection prevention measures, like manual cleaning, this fogging and electrostatic spraying systems kills 99.99% of bacteria, viruses and fungi found on pre-cleaned surfaces, including MRSA, Rhinovirus and H1N1, without posing threats to humans, animals or plants and is also safe to use around electronic equipment.

OUR MISSION

Our mission is to improve the quality of life of vulnerable people by containing the spread of infection, secure and maintain a leadership position in the emerging market for product enhancement technology that provides a broad-spectrum treatment for infection control, mold and odor treatment

- ✓ To Protect employees and families beyond a flu shot, all year long
- ✓ To Promote businesses to be SanoSealed to attract and retain customers
- ✓ To reduce the impact of the next pandemic on businesses

WE PROVIDE

SANONDAF provides all-inclusive touch-less disinfection services by certified SANONDAF technicians on a continuous, one-time or rapid response basis, provides quick and comprehensive disinfection for both clinical and non clinical facilities such as domestic, commercial, medical, educational, transport, hospitality, care homes, life science and many of other sectors of any size. Sanondaf provides a customized and cost effective service using a bio friendly product administered through state-of-the-art fogging devices and electrostatic spraying systems.



WHY TOUCHLESS

Sanondaf uses the latest technology and industry innovations for regular touch-less disinfecting services for all kind of space or buildings.

CONCEPT

The latest Generation of SANONDAF touch-less disinfection solutions combine the effect of both our spraying devices and disinfectants solutions. The dual effect of both devices and disinfectants enables the air and surface in a room to be disinfected automatically. Our disinfectant is a patented, highly effective, oxidizing disinfectant that kills 99.99% of all hazardous germs and bacteria without posing a threat to humans, animals or plants.



SanoFog

Aerosol Disinfection.

The Fogging Device we use was developed around a heating and ionizing turbine that sprays the disinfectant liquid transforming into a dry fog. The droplets fill the room and are drawn into every nook, crevice and corner, reaching surfaces that regular manual cleaning and disinfecting cannot. The SanoFog assures a homogeneous distribution of disinfectant on all surfaces in the room, reducing the risk of cross-contamination of infectious diseases associated with using a rag, wipe or sponge. It is also safe for use around all electronics equipment.



SanoStatic

Surface Disinfection

The Electrostatic Device we use is an electrostatic spray disinfectant system featuring a sprayer nozzle that adds an electrostatic negative charge to the disinfecting solution as it is applied so that it actually surrounds and clings to the surface it touches.

PROCESS

This process consists in transforming a liquid into ionized particles via a fogger with a proprietary nozzle and compressor air or an electrostatic spraying system. To achieve the perfect droplets size, the devices we use were engineered with a precision air compressor and nozzles

RESULTS

The unique aspect of Sanofog / Sanostatic spraying devices and Sanochem concept is that it makes germs destroy themselves. Its preventive action reduces the risk of infection to a minimum and ensures it remains there by progressively eliminating the bio film, without creating any form of germ resistance. A curative treatment can also be used for an ad hoc application or against severe contamination.

BENEFITS

- ✓ Disinfects in a simple and environmentally friendly manner: the product we use is a stabilized hydrogen peroxide (H2O2) and Silver (Ag) which breaks down into water (H2O) oxygen (O)
- ✓ Full Spectrum and activity Bactericide, virucide, fungicide and sporicide as defined by current standards.
- ✓ Uniform disinfection of all surfaces including electronic ones, without corroding or oxidizing.
- ✓ Product is non-allergic and poses no risk to humans or the environment
- ✓ The concept is manufactured in accordance with ISO 9001/13485 standards

TECHNOLOGY

- ✓ Takes only few minutes to disinfect a standard room or area
- ✓ Has proven success where bleaching and steam cleaning have failed
- ✓ It's not a wet fogging or aerosol process
- ✓ Is a dry spray (5 microns for fogger and 40 microns for electrostatic spray), which does not leave any wet surface residue.
- ✓ 1m3 - 20,000m3 area size can be successfully treated
- ✓ Is more cost effective than many other existing methods such as bleaching and steaming.
- ✓ Has TGA approval as a Hospital Grade Disinfectant
- ✓ Does not use harmful chemicals (100% bio degradable and non harmful to humans). non corrosive, used in theatres with delicate theatre systems and is CASA (Civil Aviation Safety Authority) approved.
- ✓ Even eliminates undesired odors Authority approved.

WHY SANO CHEM

10 GOOD reasons to use SanoChem

- 01 What is SanoChem?**

SanoChem is a patented formula made from a unique blend of hydrogen peroxide and silver. It is ideal for surface disinfection and water treatment.
- 02 Is SanoChem safe and non-toxic?**

Yes. SanoChem has a very low toxicity rating which means it is safe for you, your pets and the environment. In fact, the ingredients in SanoChem have been used medicinally for hundreds of years to help boost the immune system.
- 03 Does SanoChem have a harsh smell, like bleach?**

No. SanoChem is odor-free and clear.
- 04 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.
- 05 What does “Touch-less Disinfection” 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.

06 How does SanoChem compare to other disinfectants?

Superior Efficacy

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.

Improved Safety

Bleach and other leading disinfectants are carcinogenic (cancer-causing) and mutagenic (mutates genes). They also cause severe eye, skin and lung irritation. SanoChem contains no toxic ingredients, and is the safer choice for disinfecting.

07 Does SanoChem kill H1N1 Swine Flu Virus?

Yes. SanoChem is independently tested and approved to kill the H1N1 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.

08 Does it kill mold?

Yes. SanoChem kills many different types of mold including *Aspergillusniger* and *Trichophytonmentagrophytes*

09 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.

10 On what surfaces can it be used?

- ✓ Toilets, counter tops, sinks
- ✓ Door handles
- ✓ Toys
- ✓ Sports equipment
- ✓ Medical equipment
- ✓ Treadmills
- ✓ Saunas
- ✓ Furniture
- ✓ Magazines
- ✓ And much more

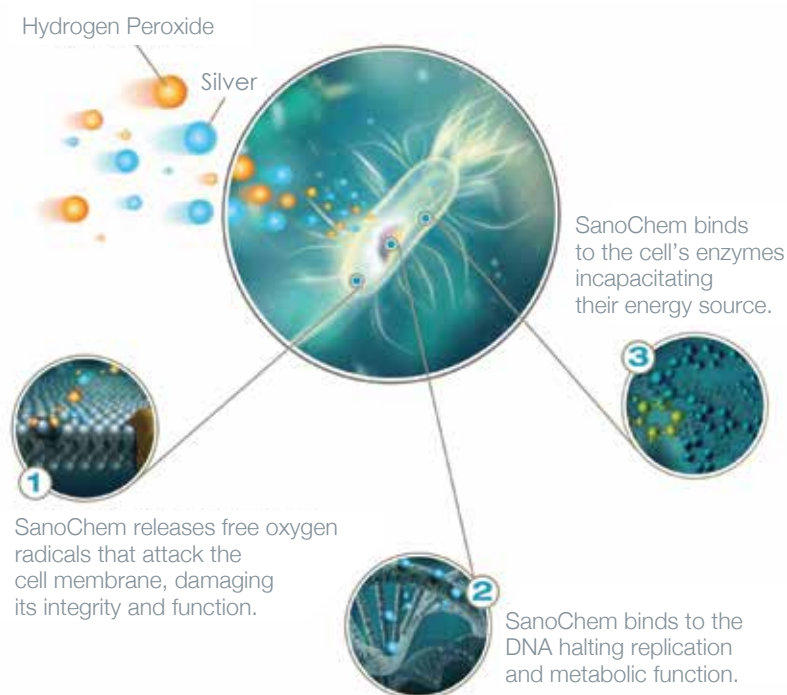
SanoChem

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 denaturises and destroys these. This effect is boosted by silver solutions that bind to the disulfide bonds of certain proteins, both of the reproduction complex as well as of the metabolic system of the microorganisms, and deactivate or precipitate these.

To put it simply: the hydrogen peroxide affects the membrane of the microorganisms, the silver the inside. This combined "hammer and anvil" effect boosts and/or exponentiates the biocide effect of hydrogen peroxide and silver on a large scale.

While H₂O₂ breaks down into water and oxygen (H₂O₂= H₂O+O₂) afterwards, minute traces of silver remain on the disinfected surface. These traces are invisible and non-toxic but actively and effectively counteract re-germination.

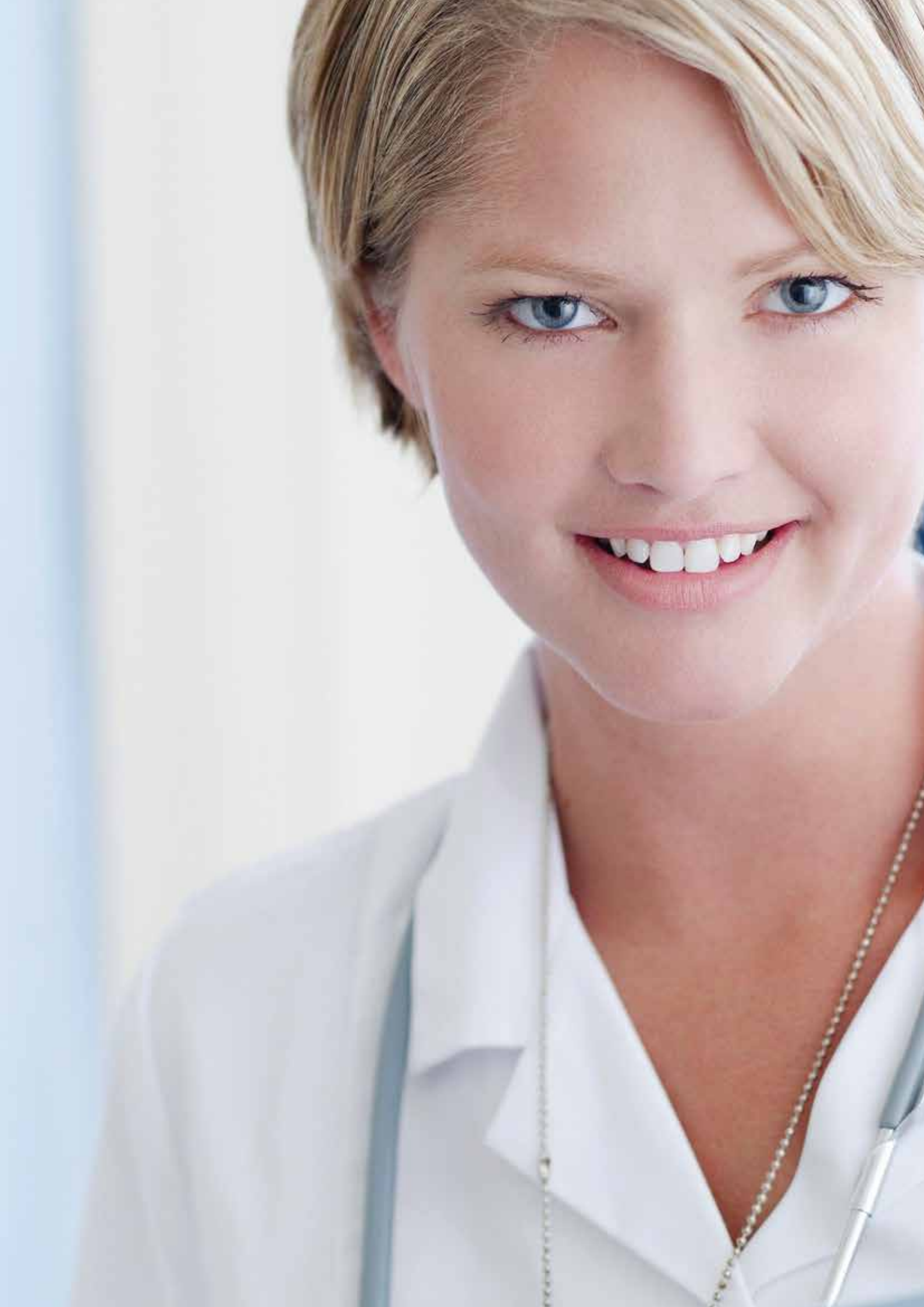


What pathogen does SanoChem kill?

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

List of tested pathogens up to now:

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





WHO USES SANONDAF?

SANONDAF disinfects enclosed and open spaces using SANFOG & SANOSTATIC spraying devices. It can be used in domestic, most industry sectors and markets.



Hospitals Over 98,000 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.

Patient Rooms & General Wards • Accident and Emergency Dept. • Reception & Waiting Rooms • Pre & Post Op • Operating Theatres • Equipment Storage Rooms



Doctors, Nurses and Physician Assistants see multiple patients throughout their day. Not all of their patients show symptoms of an infection at the time of an office visit so it is critical that every step be taken to prevent the spread of infection, from hand washing to the routine cleaning and disinfecting of equipment, and reception and examination rooms.

Reception Desk • Waiting Rooms • Equipment • Restrooms • Office Staff Areas



Assisted Care Facilities Care staff travel from room to room, interacting with residents and equipment so a thorough disinfecting is critical due to the somewhat frail nature of the residents and their immune systems. Typically, housekeeping has only a short time-window to clean before new residents arrive in a room.

Retirement Homes • Rehabilitation Facilities • All Communal Areas • Residents' Rooms • Care Staff Stations • All Equipment • Office Staff Areas



Schools and Universities need to be diligent about responding to the outbreak of illness, while also responding to the pressure from parents and faculty to keep facilities germ free. The greatest risk of infection comes from surfaces touched by multiple people.

Student Accommodation • Lecture Halls • Sports & Recreational Facilities





Children's Day-Care Centres Children in day care-centres have a tendency to pick up and spread any number of germs because of congregating in such close proximity and the sharing of toys, utensils and play areas. There is a legitimate fear of sending a healthy child to day-care and picking him or her up at the end of the day with a cold or worse.

Play Rooms • Toys • Snack and Napping Areas • Nurses Office • Arts and Crafts Area • Restroom, Sinks and Toilets



Hotel Industry Hotels are always aiming to achieve 100% occupancy - therefore, the same room will be used by numerous and varied clients in a single year. Due to this diversity, hotel rooms contain an enormous amount of bacteria and germs. It should also be added that some rooms may keep a trace of some clients (cigarettes, etc). An efficient disinfection will first ensure that the new patron finds a healthy environment, and that at the same time unpleasant smells have been eliminated.

Hotels • Guest Houses • Holiday Lodges & Cottages • B & B • Hostels • Serviced Apartments



Catering Surfaces in contact with hands or food are major carriers of cross contamination and collect and disseminate all types of germs. The surfaces in contact with hands and food are: cutting boards, counters, refrigerators, kitchenware. In order to minimise infection risks, it is important to regularly disinfect anything in contact with food.

Restaurants • Food Production Facilities • Hotel & Pub Kitchens •



Gym & 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 cold and flu viruses can survive on surfaces for up to 72 hours.

All Workout Areas • Fitness Studios • All Equipment • Changing Rooms • Saunas & Steam Rooms





Work Environment Employees work in close proximity with one another sharing space, equipment and tasks. This kind of interaction encourages person to person and surface contact to person transmission of bacteria and viruses. How many sick days can your business afford?

Offices & Conference Rooms • Kitchenettes & Appliances • Elevators • Bathrooms • Electronics, Desks, Countertop



Veterinarians 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 like the reception area, the exam rooms and kennel areas are prime infection transfer locations.

Reception Desk and Waiting Room • Exam Rooms • Pet Grooming Areas • Restroom, Sinks and Toilets • Kennels



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. This can range from a private taxi ride, to the daily train/tube commute, up to the largest cruise liners, transporting many thousands of staff and guests from port to port. Efficient disinfection of any and all modes of transport helps to significantly decrease these cross contamination risks, helping to protect travellers, commuters and transportation staff alike.

Train/Tube Carriages • Public & Private Buses/Coaches • Taxis • Airplanes • Cruise Ships • Boats & Yachts • Ferries • HGVs • Ambulances • Prisoner Transportation Vehicles



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. SanonDaf, in both applications, will kill 99.99% of bacteria, thus ensuring this risk is minimised.

Cow / Pig / Sheep Farms • Fisheries • Poultry Farms • Animal Hospitals • Animal and Bird Parks • Agricultural Shows

SANONDAF[®]

touch-less disinfection services





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