

PROTECT THEM FROM INFECTION 24/7



**DERMATOPHYTES THE FUNGUS LINKED TO RING WORM
CAN SURVIVE ON FURNITURE, CLOTHES, HAIRBRUSHES,
TOWELS, ETC. SO IT IS NOT ALWAYS NECESSARY TO HAVE
DIRECT CLOSE CONTACT WITH AN INFECTED PERSON***

*The Health Protection Agency

CONTACT SITEXORBIS FOR A FREE CONSULTATION TODAY

www.sitexorbis.com/biotech biotech@sitexorbis.com [0845 543 6416](tel:08455436416)

**KILLS ALL
KNOWN PATHOGENS**

24/7 INFECTION CONTROL

SitexOrbis' 24/7 Infection Control Vaporisation Service is the process used to disperse a specialist disinfecting agent to eradicate bacteria, viruses and fungi that are both airborne and surface-based.

If left untreated these can be life threatening, expensive to combat and can lead to the closure of premises.

SitexOrbis' vaporisation gets to work immediately, and once the treatment is complete, the space is free of any pathogens. Because of its speed and capabilities, this is more cost-effective than traditional cleaning.

SitexOrbis provides regular scheduled visits or a 24/7 rapid response service to ensure protection.

The revolutionary vaporisation service can be used in environments that include:

- Food Preparation/Manufacturing Areas
- Transportation –
Trains, Planes, Buses, Taxis, Cruise Ships
- Hospitals/Clinics
- Schools/Nurseries
- Agricultural
- Care Homes
- Gyms and Health Clubs
- Veterinary Practices
- Prisons
- Day Centres
- Restaurants
- Hotels
- Offices
- Residential Properties & Homes

“SitexOrbis was very discreet and carried out the vaporisation during the evening, so there was no disruption. The service was excellent.”

Jackie Marshall, Business Manager,
Mansfield Green Community School



FIGHT INFECTION, KEEP THE TRUST OF YOUR PATIENTS



**The HPA* estimates that in epidemic seasons
Norovirus alone costs the NHS in excess
of £100m per year in ward closures**

* The Health Protection Agency

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SCIENTIFICALLY
TESTED

VERIFIABLE INFECTION CONTROL – KILLS ALL KNOWN PATHOGENS

The vaporisation service has been developed to utilise a High Integrity Disinfecting Cleaner for use in high risk areas. Suitable for use in all environments, the chemical is effective in killing bacteria, viruses, fungi and yeasts such as:

BACTERIA

- Salmonella spp
- Staphylococcus ssp
- E.coli
- Klebsiella ssp
- Human Tuberculosis
- Bacillus subtilis
- Streptococcus spp
- Pseudomonas spp
- Mycobacterium fortuitum
- Shigella spp
- Campylobacter
- Listeria
- Leptospirosis
- Clostridium difficile
- MRSA
- Staphylococcus aureus
- Neisseria meningitidis
- Proteus vulgaris

SPORES

- Clostridium dificile

VIRUSES

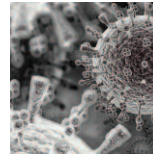
- H1N1 Swine Flu
- Hepatitis B
- HIV
- H5N1 Avian flu
- SARS
- Norovirus

FUNGI

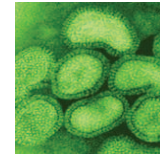
- Trichophyton mentagrophytes
- Aspergillus niger
- Penicillium funiculosum
- Epidermophyton floccosum
- Microsporum canis
- Microsporum gypseum

YEASTS

- Candida albicans
- Saccharomyces cerevisiae
- Oidium lactis



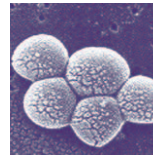
Swine Flu



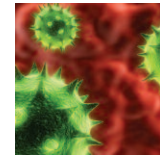
Avian flu



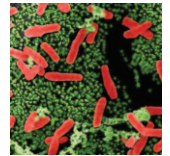
e.coli



MRSA



Norovirus



C.diff

The Queen Elizabeth Hospital Birmingham ran tests on our treatment to ascertain the levels of reduction it can achieve and the speed in which it can do this. Here are just some of the incredible results:



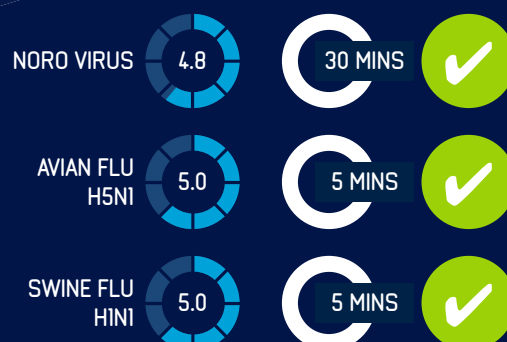
LOG REDUCTION



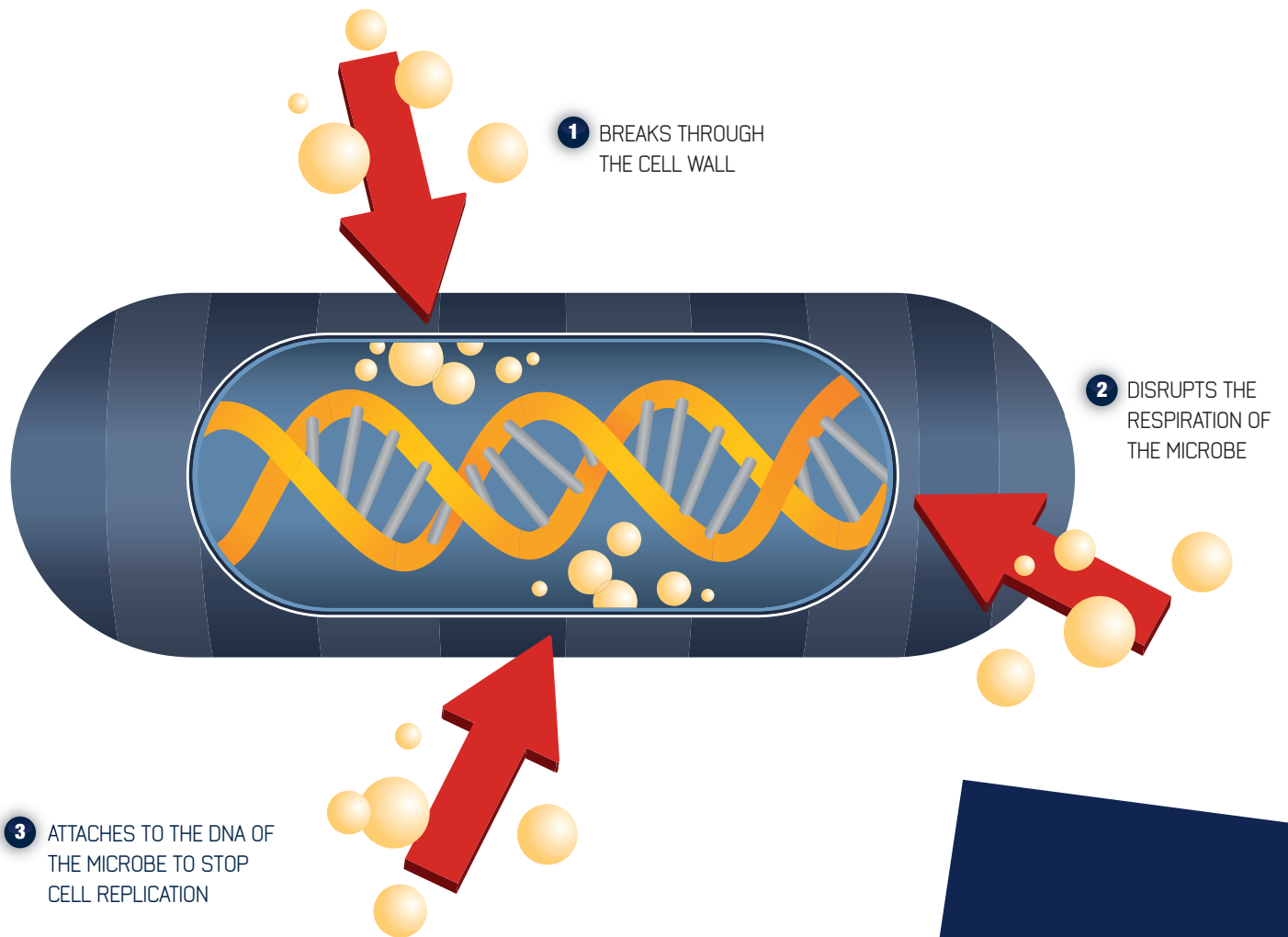
CONTACT TIME



PASSED



HOW DOES IT WORK?



**EVERY YEAR NOROVIRUS*
EFFECTS 600,000 – 1 MILLION PEOPLE**

HPA
* Winter vomiting disease

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ENVIRONMENTALLY FRIENDLY

HOW DOES IT WORK?

The service is completely non-toxic, non-irritant and non-corrosive. This means it is harmless to humans and animals.

The chemical works by irreversibly binding, penetrating and immobilising bacteria, viruses and fungi so that they cannot replicate, leaving surfaces disinfected and safe to use.

SitexOrbis takes every step to ensure a discreet and highly efficient service is provided, designed to minimise disruption to both you and your business.

All visits are recorded and reported on and can be reviewed and tracked online. This provides a full audit trail which verifies that the duty of care is being upheld.



STEPS INVOLVED

- 1  Vaporisation machine produces a fine mist of specialist cleaning agent.
- 2  Because it's a vapour, it can get into hard to reach places.
- 3  It eradicates any airborne pathogens and surface bacteria.
- 4  Disinfects every part of the room, floor to ceiling, to ensure it is safe to re-enter.
- 5  Area is now completely free of pathogens.

Commonly used disinfectants denature only the external membrane and do not kill pathogens, but merely temporarily disable them. In time pathogens will regenerate and build up a resistance. These products may claim a 99% reduction, but what does that really mean?

Here's how we compare:

Log Reduction	% of germs	Fold reduction	
2 Log	99	100	Normal Cleaning Product
3 Log	99.9	1,000	
4 Log	99.99	10,000	
5 Log	99.999	100,000	
6 Log	99.9999	1,000,000	SitexOrbis



PATHOGEN FREE OR PASSENGER FREE?



**MORE THAN ONE IN FOUR COMMUTERS HAS
BACTERIA FROM FAECES ON THEIR HANDS**

London School of Hygiene and Tropical Medicine

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COST-EFFECTIVE

WHY USE OUR REVOLUTIONARY SERVICE?

PROVEN INFECTION CONTROL

Verified to remove all known of bacteria, viruses and fungi. Average log 6 reduction of pathogens, as tested by Queen Elizabeth Hospital Birmingham.

COST-EFFECTIVE

The treatment is cost-effective in comparison with traditional cleaning and because of the speed in which the process can be fulfilled.

SCHEDULED VISITS

Many businesses now include our service as part of their preventative measures to fight infection.

24/7 EMERGENCY RESPONSE

SitexOrbis can provide a rapid response as soon as infection is found. With over 40 locations throughout the UK, SitexOrbis can respond any time, any place, anywhere.

10 TIMES FASTER THAN CONVENTIONAL METHODS

The process takes minutes, not days, and the area is ready to re-enter and use as soon as the treatment is complete. An area the size of a tennis court (1000m²) can be treated in less than 90 minutes.

MINIMUM DISRUPTION

Through vaporisation all airborne and surface-based pathogens are destroyed, so there is no need to move furniture or equipment around for the treatment to work.

ENVIRONMENTALLY FRIENDLY

Completely non-toxic to humans, animals and the environment.

AUDIT TRAIL

All visits are recorded and reported on and can be reviewed and tracked online. This provides a full audit trail which verifies that the duty of care is being upheld.

COMPLIANT

SitexOrbis follows the Industry Standard on vaporisation and is compliant with SOGB 41130:2009, EN1276, EN14476, EN13704 and EPA Approved.

ADDITIONAL SERVICES

SitexOrbis provides specialist cleaning services to over 20,000 properties annually.



*Conditions apply

"The sheer speed with which SitexOrbis has solved the problem has been amazing. We are extremely impressed, as it only took a few hours to disinfect the ship, rather than days of cleansing by traditional methods."

Christian Verhounig

Operator of the cruise ship, Marco Polo.



BACTERIA FREE OR FREE BAD PRESS?



THE NUMBER OF REPORTED CAMPYLOBACTER CASES HAS INCREASED TO ITS HIGHEST LEVEL, IN THE PAST TWO YEARS*.

HPA* (Health Protection Agency)

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CASE STUDIES

THE GRAND HOTEL, SCARBOROUGH

Due to a Norovirus outbreak, 60 guests were infected within a short period of time.

Vaporisation removed the outbreak and there were no further cases of infection reported from the staff or guests. Having seen the action being taken, the Environmental Health Officers allowed the hotel to remain open at all times.

THE BRITISH PRISON SYSTEM

Tens of millions of pathogens were found within a prison cell, which had been introduced as the result of a dirty protest. The deep clean vaporisation service was brought in to reduce the pathogen rate and ensure the health and safety of the prisoners and staff. Swab tests were provided before and after to illustrate the effective removal of infection. All work was undertaken in conjunction with the Home Office.

CARE HOME

Due to an outbreak, The MRSA Support Society wished to use the vaporisation service in a nursing home in the South East of England. Swabs were taken before and after the deep clean and vaporisation treatment:

Lab No.	Product	Aerobic colony count 24hrs at 37°C (NAMFO01) ¹ cfu/swab	Number of Enterobacteriaceae (NAMFO012) ² cfu/swab	Number of E.coli (NAMFO010) ² cfu/swab	Number of S.aureus (NAMFO05) ¹ cfu/swab
FE03228/06	Before Deep Clean	4.7x10 ⁷	2.7x10 ⁵	<20	<20
FE03229/06	Before Deep Clean	1.1x10 ⁷	1.5x10 ⁵	<20	<20
FE03230/06	Before Deep Clean	2.0x10 ⁷	1.4x10 ⁵	<20	<20
FE03231/06	Before Deep Clean	8.5x10 ⁷	1.5x10 ⁵	<20	240
FE03232/06	Before Deep Clean	3.5x10 ⁷	100	<20	<20

■ Test Certificate Before Vaporisation

■ Test Certificate After Vaporisation

Lab No.	Product	Aerobic colony count 24hrs at 37°C (NAMFO01) ¹ cfu/swab	Number of Enterobacteriaceae (NAMFO012) ² cfu/swab	Number of E.coli (NAMFO010) ² cfu/swab	Number of S.aureus (NAMFO05) ¹ cfu/swab
FE03228/06	Before Deep Clean	400	<10	<20	<20
FE03229/06	Before Deep Clean	<200	<10	<20	<20
FE03230/06	Before Deep Clean	<200	<10	<20	<20
FE03231/06	Before Deep Clean	<200	<10	<20	<20
FE03232/06	Before Deep Clean	<200	<10	<20	<20

As is shown here, prior to treatment the levels of bacteria were dangerously high. After using the vaporisation service offered by SitexOrbis these levels had dramatically decreased and after just two hours it was safe for the occupants and workers to re-enter.

NEW LEGISLATION MEANS TOUGHER PENALTIES

Contractible diseases are not exempt under the new legislation on the Corporate Manslaughter and Corporate Homicide Act 2007, and the Health and Safety (Offences) Act 2008. This means that an organisation will be guilty of an offence if, through the way that it is managed, a person's death is caused, as this is a breach of the duty of care owed by the organisation to the deceased.

OTHER SERVICES

● Physical Security

- Sitex steel / Polymer screens
- Masterguard keyless door
- Security doors
- Emergency boarding
- Meter box / letter box covers
- Fencing and bollards
- Mobile site security patrols
- Risk assessments
- eMAKS (electronically Managed Access Key Systems) **NEW SERVICE**
- Communal access doors **NEW SERVICE**

● Monitored Alarms

- Temporary radio and GSM wireless intruder alarms
- Videofied alarm with visual verification
- 24/7 alarm monitoring and reporting
- Nationwide emergency response
- Standalone alarms – up to 9 months on battery power
- Sequential verification intruder detection process
- Alarm peripherals – PIRs, boiler tamper, smoke detectors, loop guard
- Water detectors
- Vibration guards
- Remote access and remote sirens

● Clean & Clear

- Internal and external cleaning and clearance
- Specialist cleaning (e.g. body fluids and human waste removal)
- Removal of hazardous materials
- Drug den cleaning, needle sweeps
- Pest control and disinfection
- Fly-tipping and bulk waste removal
- Graffiti removal
- Landscaping work
- Licensed waste carrier
- Garden clearance and tidy
- Communal area cleaning
- Infection Control **NEW SERVICE**
- Mould Eradication **NEW SERVICE**

● Regeneration/Refurbishment

- Pre-demolition security steel screens “Permascreen”
- Kitchen and bathroom strip outs
- Disconnection of services
- Removal of gas bottles and other dangerous goods
- Hazardous material disposal
- Demolition or repair work
- Property inspection
- Rubbish clearance, white goods removal

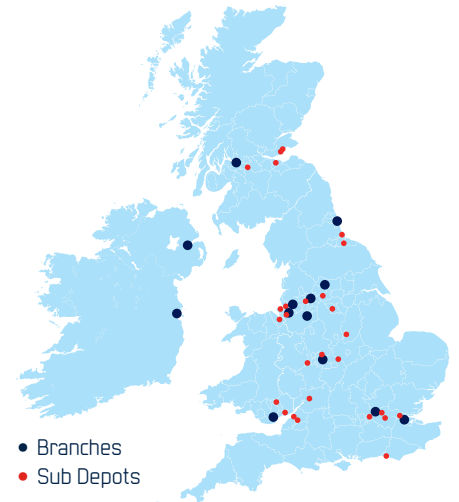
● 24/7 Response Centre

- 24/7 Call Handling and Resolution
- Bespoke repairs and maintenance service
 - ASB support with live web reporting
 - Accident and incident reporting
 - Void property facilities management

24/7 Intelligent Alarm Monitoring

- Lone Worker Protection
- Social and welfare alarm monitoring
- CCTV monitoring
- Hosted access
- Intruder alarm

NATIONAL COVERAGE



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