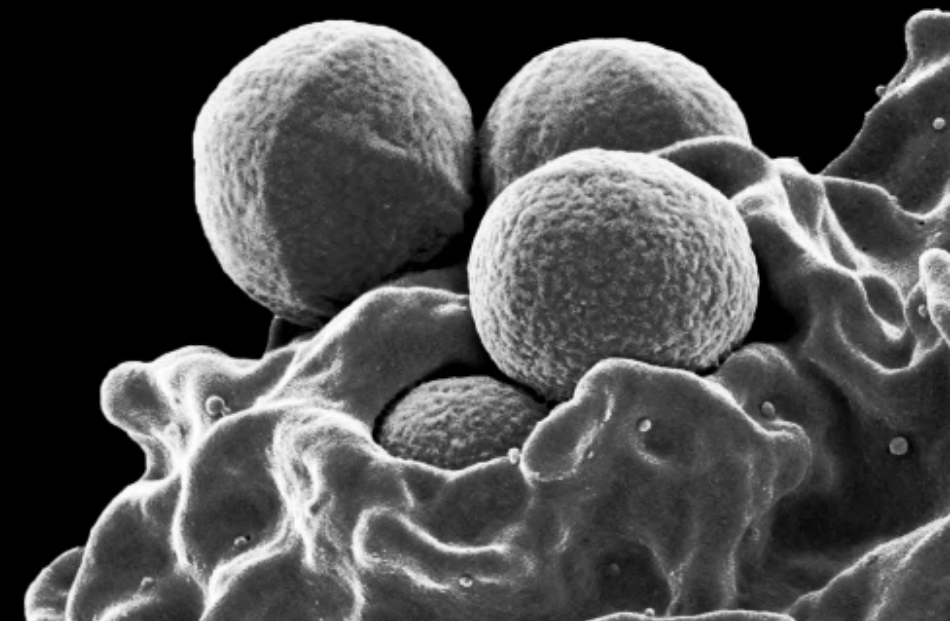


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**PERMANENT, PASSIVE
NANO - ANTIMICROBIAL
COATING FOR NEWBIES**

**WORLD-CLASS PROFESSIONAL SURFACE COATINGS WITH
TIME-TESTED, AWARD WINNING & RELIABLE NANOTECH.**

**LET'S PROTECTS YOUR SURFACES FROM 100'S OF GERMS -
INCL. SARS-COV2 & INFLUENZA A.**



Just a little about

Lotus Nano

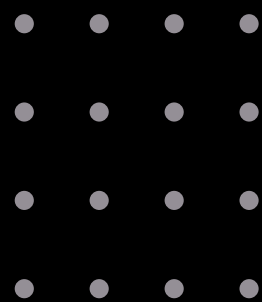
SUSTAINABLE & RESPONSIBLE COATING



- Pune start-up run by Nanotech Experts
- German / Indian Founders & Company Management
- Worldwide Nano-product sourcing & supply
- India-wide professional nano-surface coating & application specialists
- Full range of Industrial & Commercial Nano Applications
- Custom Nano-Product development
- Experts in Antimicrobial Surface Coatings
- Globally connected to the Nanotech Innovation Pulse
- Competent, current and efficient.



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IMAGINE

**Certified
Antiviral Activity
against Corona
(SARS-CoV-2)**

- **A healthier, cleaner and less contagious environment**
- **Less sick-leave from workplace, school, etc**
- **Easy to apply**
- **Works 24 / 7 for a minimum of 1 Year**
- **Economical benefits in a number of ways**
- **Ecological benefits**
- **Produced in India: you help the local economy**

... and complies with ...
**UN Sustainable
Development Goals**



COATABLE SURFACES

(Examples - not exhaustive)

GENERAL SURFACES

- Plastics
- Fiberglass
- Metals
- Glass
- Wood
- Ceramics
- Stone
- Natural materials
- Composites
- Air filters for furnaces, air conditioners, air purifiers
- Automobiles
- Recirculating air handling systems
- Fish tank filters
- Automotive / vehicular parts

COMMODITIES

- Non-food contact countertops
- Fiberglass duct-board for AHU
- Tools
- Floor covering
- Flooring
- General purpose containers
- Furniture
- Non-food contact kitchen hardware
- Mats, rugs, carpets
- Plumbing supplies and fixtures
- Sheet and formed glass
- Mops, brooms, brushes
- Vacuum cleaner bags / filters
- Foam for packaging and cushioning

FIBROUS MATERIALS & BASIC COMMODITIES

- Fibres
- Fabrics (natural/synthetic/woven/non-woven)
- Leather / household materials (natural / synthetic)
- Buffer pads (abrasive and polishing)
- Mattress cover pads
- Filling and ticking
- Pillow covers, sheets; blankets; bedspreads
- Fibre-fill for upholstery
- Recreational gear
- Quilts and pillows
- Upholstery
- Towels
- Shower curtains
- Toilet tank and seat covers
- Wall covering fabrics / wallpaper (incl vinyl)
- Umbrellas
- Fire hose fabric
- Non-woven disposable diapers
- Wiping cloths
- Apparel incl. outerwear, sportswear, sleepwear, socks, hosiery, undergarments, gloves & uniforms
- Footwear (boots, shoes and components) sports equipment and athletic gear
- Awnings
- Book covers, pictures

Materials

- Roofing (tiles, shakes, shingles, granules, stone, membranes, felt, underlayment & synthetic overcoats)
- Building materials and components
- Ceiling tiles
- Concrete products
- Dry concrete and grout mixes
- Conveyor and humidifier belts

Different industry sectors may have specific Nano Antimicrobial Coating requirements. Think: Pharma, healthcare, education, manufacturing, recreation, etc.

APPLICATIONS

(Ideas, Industries)



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WHERE IS IT USED?

INDUSTRY

OFFICES, CANTEENS, TOOLS, UNIFORMS, PRODUCTS, PRODUCTION, PACKAGING, VEHICLE FLEETS, KITCHENS, WASHROOMS, RECEPTION

OFFICES

BUILDINGS / FLOORS, RECEPTION, CANTEEN, CONFERENCE ROOMS
CO-WORKING SPACES, LOBBY, LIFTS, ESCALATORS



MEDICAL / PHARMA / HEALTH

BIRTH CENTRES, BLOOD BANKS, AMBULATORY SURGICAL CENTRES, CLINICS / MEDICAL OFFICES
HOSPITALS, DIABETES EDU CENTRES, MENTAL HEALTH & ADDICTION TREATMENT CENTRES
ORTHOPAEDIC / REHAB CENTRES, IMAGING / RADIOLOGY CENTRES, DIALYSIS CENTRES, HOSPICE
HOMES, URGENT CARE, SPECIALIST CENTRES, PHARMA PRODUCTION, PACKAGING



@ HOME

INSIDE LIVING AREAS, OUTSIDE
AREAS, LIFTS, STAIRS, VEHICLES,
TOYS, TOOLS



SPORTS / RECREATION

GYMS, SPORTS COMPLEXES,
LOCKER ROOMS, STADIUMS,
CLUBS, SAUNAS, ARENAS



EDUCATION

DAY-CARES, SCHOOLS, KINDERGARTENS, NURSERIES, LEARNING / EDU
CENTRES, AFTER-SCHOOL PROGRAMME VENUES, COLLEGES, UNIVERSITIES,
DORMS, SCHOOL BUSES



GOVERNMENT

FEDERAL, LOCAL & REGIONAL GOVERNMENT OFFICES, PUBLIC AGENCY OFFICES, PARKS &
RECREATION CENTRES, MILITARY / DEFENCE FACILITIES, CIVIL DEFENCE, POLICE, COMMUNITY
CENTRES, LIBRARIES, COURTS, INFO CENTRES, WASHROOMS, PUBLIC HOUSING



HOSPITALITY

RESTAURANTS, CAFES & COFFEE, HOPS, BARS, CLUBS, PUBS, EVENT
CENTRES, HOTELS, SHOPS, MALLS, CABARETS, LOUNGES, BEER GARDENS,
PARLOURS, TAVERNS, CASINOS, THEME PARKS



TRANSPORT

CARS, TAXIS, BUSES, TRUCKS, TRAINS, METRO, AIRLINES, SHIPS, BOATS,
AIRPORTS, SEAPORTS, STATIONS, RICKSHAWS, MOTORBIKES, CYCLES

Use - Case Examples

WHAT & WHY

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PUBLIC WASHROOM
GERM, MOLD, ODOUR REDUCTION



HEALTHCARE
RELIABLE GERM PROTECTION



AGRICULTURE:
BACTERIA & MOULD REDUCTION



SANITARY / HOUSEHOLD:
EASY-CLEAN, ANIT GERMS, ODOUR



PUBLIC MACHINES:
WEAR AND TEAR + ANTI GERM



AIRLINES
SURFACE GERM PROTECTION



PUBLIC DISPOSAL
GERM, MOULD, ODOUR REDUCTION



VENTILATING SYSTEMS
ANTI-GERM HYGIENE PERFORMANCE



MEDICAL/PHARMA
SURFACE GERM PROTECTION



ELECTRONIC DEVICES
HYGIENE + ABRASION PROTECTION



OFFICES:
A/C + SURFACE GERM PROTECTION



METAL SURFACES
PERMANENT HYGIENE PROTECTION



SHOWERS, BATHROOMS
EASY-CLEAN + NO GERMS/LIMESCALE



FLOORING AND OTHER SURFACES
PERMANENT HYGIENE PROTECTION



WATER TANKS:
ANTI-FOULING, MOULD REDUCTION

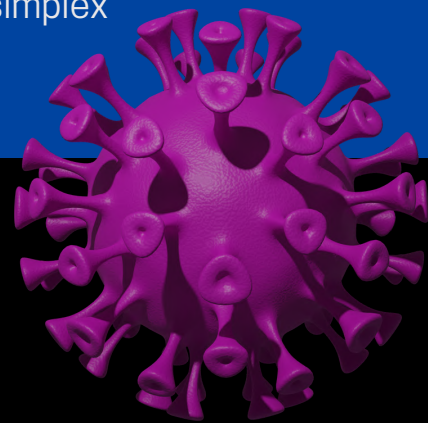


PUBLIC KITCHENS
GERM, MOULD, ODOUR REDUCTION

**KILLS / INACTIVATES
OVER 100 PATHOGENS**

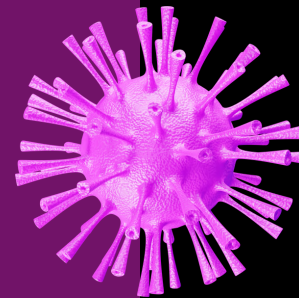
Viruses

- Outstanding general Virucidal efficacy
- **SARS-CoV-2 (Covid 19 Virus)**
- Influenza A
- TGEV Coronavirus – Transmissible Gastroenteritis Virus
- H1N1 – Influenza A Virus
- Ebola
- Polio
- Measles
- Adenovirus
- Rhinovirus
- Coxsackievirus
- Herpes simplex



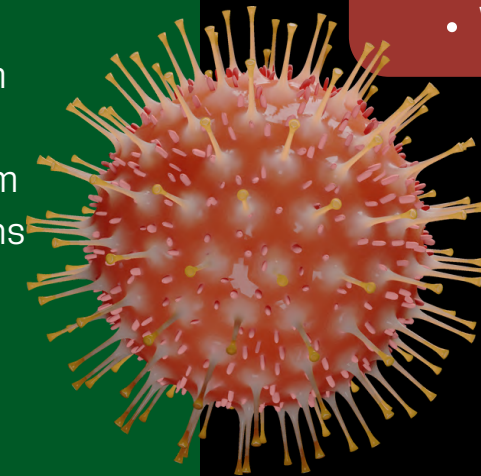
Bacteria

- Acinetobacter calcoaceticus
- Bacillus cereus
- Bacillus subtilis
- Brucella abortus
- Brucella canis
- Brucella suis
- Citrobacter diversus
- Clostridioides Difficile
- Clostridium perfringens
- Corynebacterium bovis
- Enterobacter agglomerans
- Enterococcus hirae
- E. Coli 1576 - Escherichia coli
- Haemophilus influenzae
- Klebsiella pneumoniae
- Lactobacillus casei
- Leuconostoc lactis
- Listeria monocytogenes
- **MRSA - Methicillin-resistant Staphylococcus aureus**
- Micrococcus sp.
- Mycobacterium smegmatis
- Mycobacterium tuberculosis
- Propionibacteriumacnes
- Proteus mirabilis
- Proteus vulgaris
- Pseudomonas aeruginosa
- Pseudomonas cepacia
- Pseudomonas fluorescens
- Salmonella choleraesuis
- Salmonella typhosa
- Staphylococcus epidermidis
- Streptococcus faecalis
- Streptococcus mutans
- Xanthomonas campestris



Fungi

- Aspergillus niger
- Aspergillus fumigatus
- Aspergillus versicolor
- Aspergillus flavus
- Aspergillus terreus
- Penicillium chrysogenum
- Penicillium albicans
- Penicillium citrinum
- Penicillium elegans
- Penicillium funiculosum
- Penicillium humicola
- Penicillium notatum
- Penicillium variable
- Mucor sp.
- Trichophyton mentagrophytes
- Trichophyton interdigitalie
- Trichoderma flavus
- Chaetomium globusum
- Rhizopus nigricans
- Cladosporium herbarum
- Aureobasidium pullulans
- Fusarium nigrum
- Fusarium solani
- Gliocladium roseum
- Oosopa lactis
- Stachybotrys chartarum



Yeasts

- Candida albicans
- Saccharomyces cerevisiae
- Trichophyton mentagrophytes
- etc.

Algae

- Anabaena cylindrica
- Chlorella vulgarus
- Gonium sp.
- Oscillatoria borneti
- Pleurococcus sp.
- Schenedesmus quadricauda
- Selenastrum gracile
- Volvox sp.

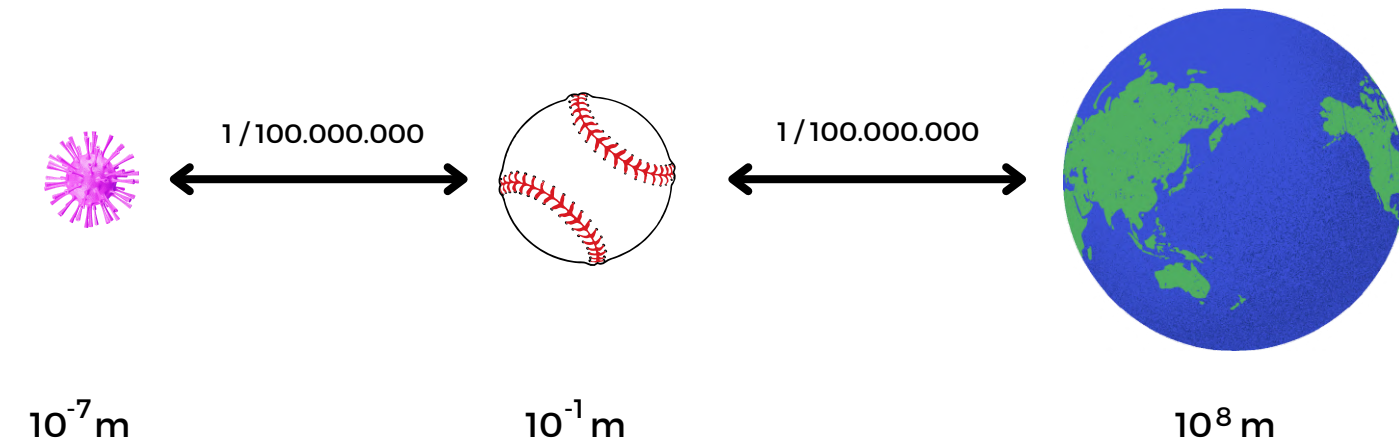
HOW DOES IT WORK?

NANO-TECHNOLOGY

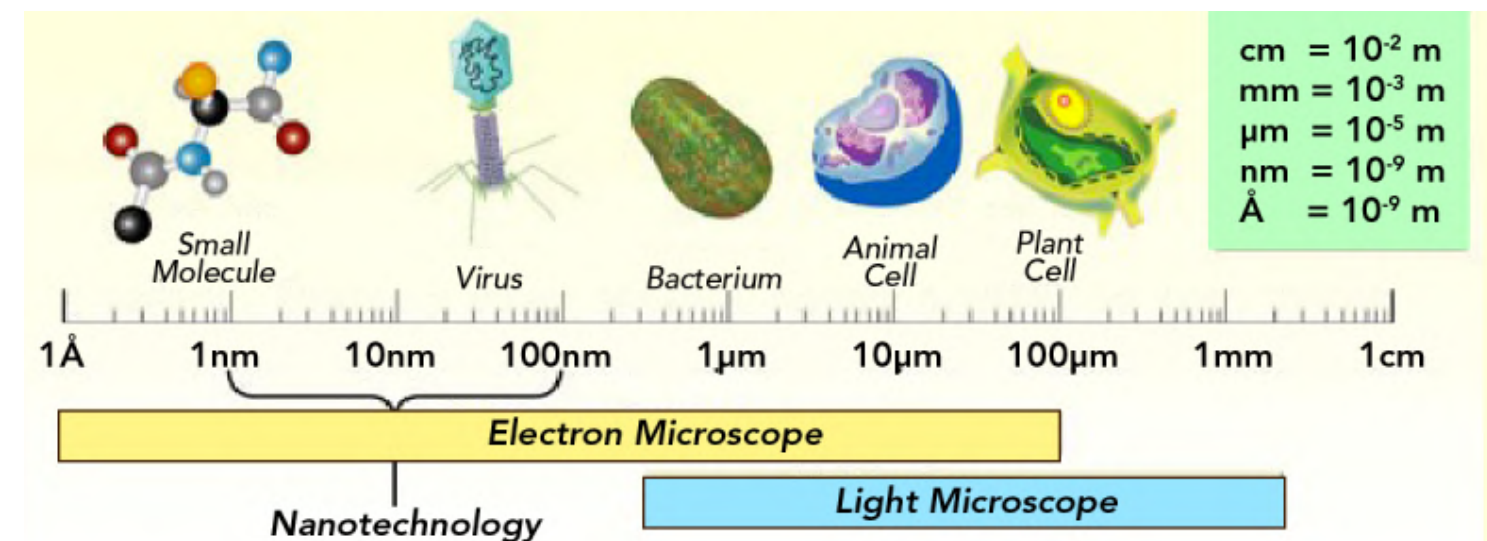
- Nano= Greek: 'Dwarf'.
- 1nm = 0.000001mm [avg human hair 0.04mm]
- Not new! Started 1959 - Real kick-off 1981
- Used in nearly every industry today
- Inspired by nature: Lotus plant, gecko, peacock feathers, etc.
- Inspired by nature: Lotus plant, gecko, peacock feathers, etc.
- Key future technology with unimaginable potential
- Massive and significant inventions past 15 years
- India an excellent scientific contributor & beneficiary

**IT'S ALL ABOUT ALTERING
SURFACE PROPERTIES**

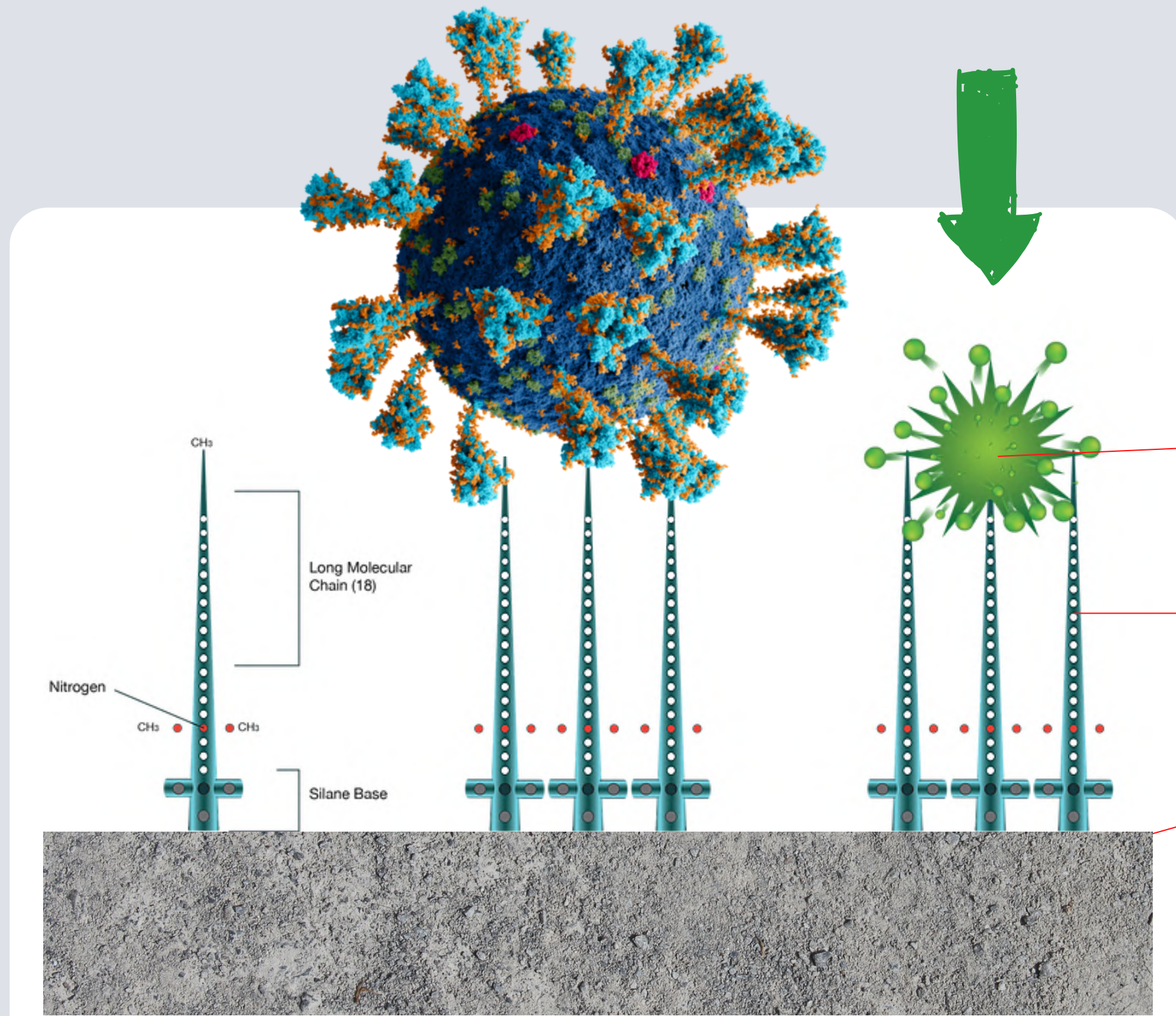
IMAGINE THE DIMENSIONS



UNIMAGINABLE DIMENSIONS



HOW DOES IT WORK?



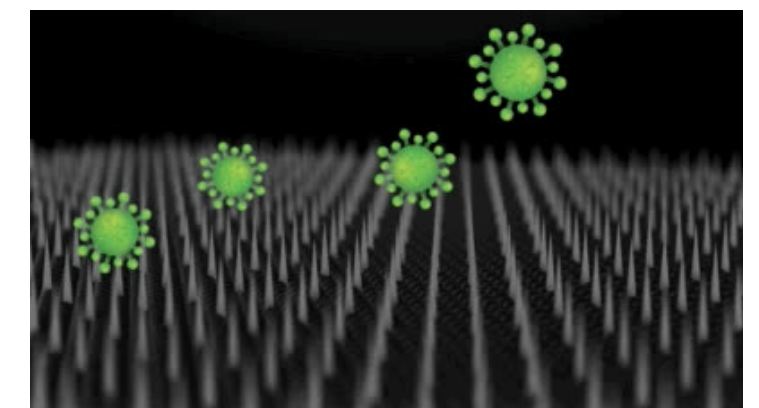
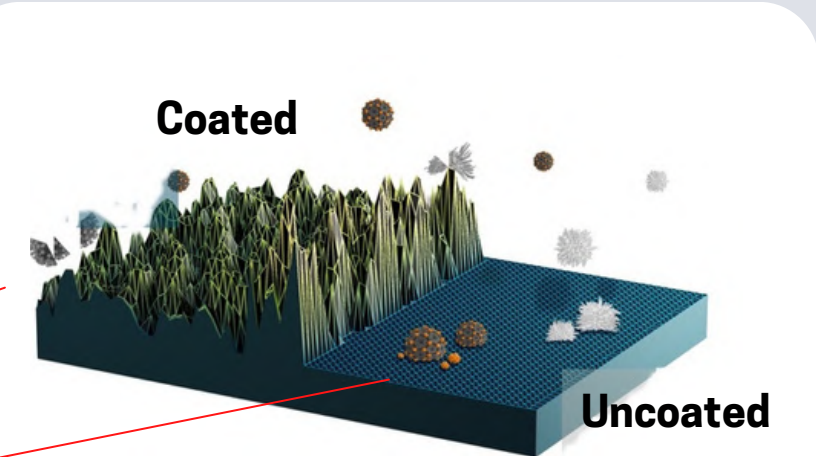
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Spiked Pathogen Destruction
PHYSICALLY OR CHEMICALLY
(PRODUCT DEPENDENT)

Spike-like Nano Coating adhering onto a surface.
DISTANCE BETWEEN SPIKES
SMALLER THAN PATHOGENS

Surface

Principle Illustrations



Let's look at ...

NANO COATINGS WITH ANTI-MICROBIAL PROPERTIES

- **One-time professionally coating** (e.g. sprayed) onto surfaces
- **Physically adheres** onto a large range of surfaces
- **No change in optic or haptic** quality of substrates
- **Effective within minutes** of application
- **Reduces** up to 50% your **cleaning cycles** (save time, material, labour)
- **Excellent eco-footprint**
- **Kills/inactivates 100s of germs by 99.99%** on surface contact
- Lasts for more than **30, 60, 90 to 365 days** (manufacturer dependent)
- **Most advanced** infection control!
- **Small quantities needed** to coat even larger surfaces

Also Interesting:

Purifies air in closed rooms. No germs - no odour!
Used in A/C filters to neutralise the air!



THE GLOBAL GOALS



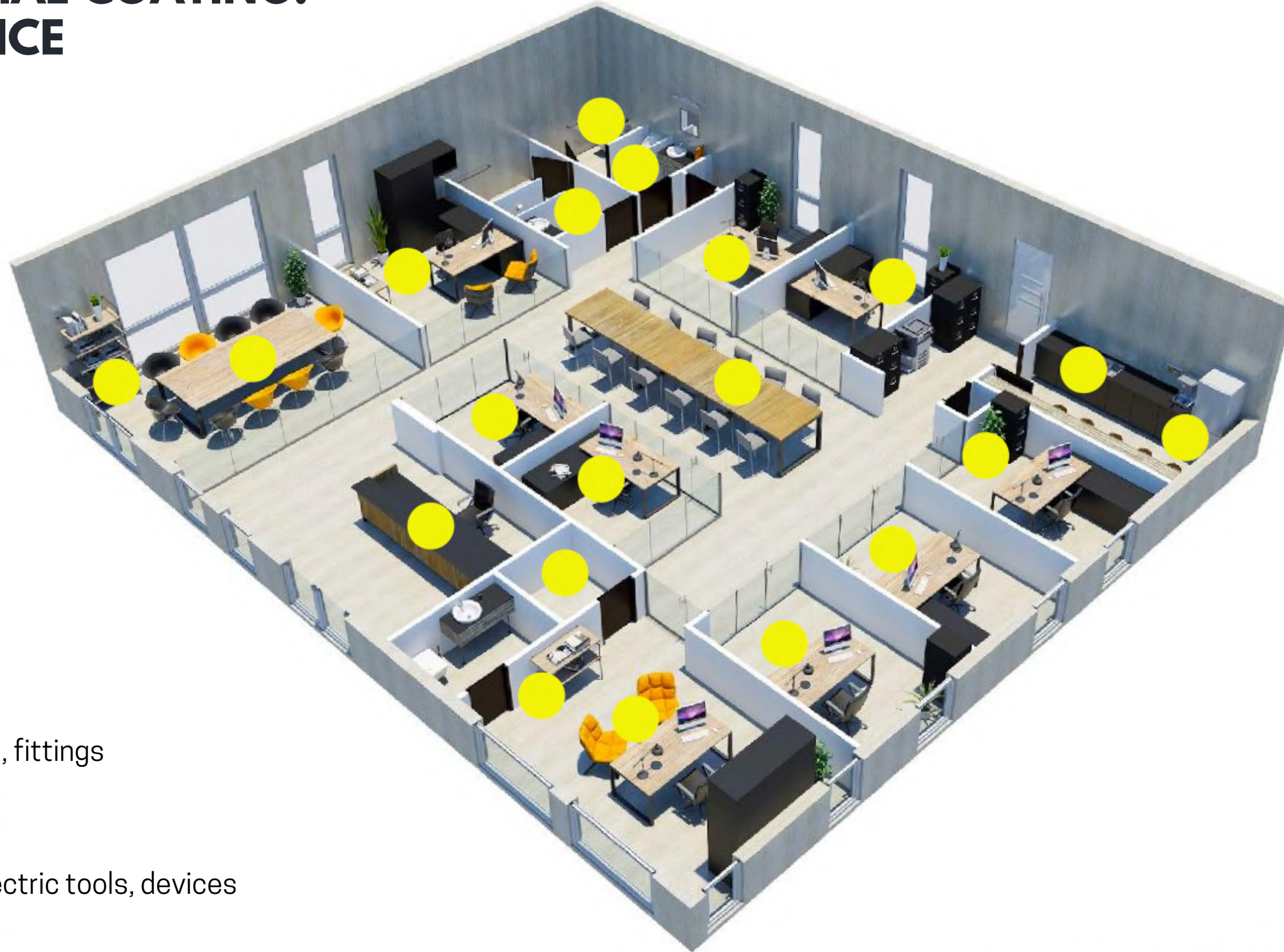
AMAZING PROPERTIES

- Works 24/7
- 100% odourless
- 100% transparent
- Non-allergic
- **Non-mutagenic**
- Non-Toxic
- No rub off
- No migrating into the skin
- Non-Leaching
- Non-Corrosive
- Non-migrating
- No Halogens and Heavy Metals
- No detergents
- Eliminates unpleasant odours
- Purifies air in closed rooms
- Tiny carbon footprint
- Environmentally Friendly

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Example ...

ANTIMICROBIAL COATING: TYPICAL OFFICE



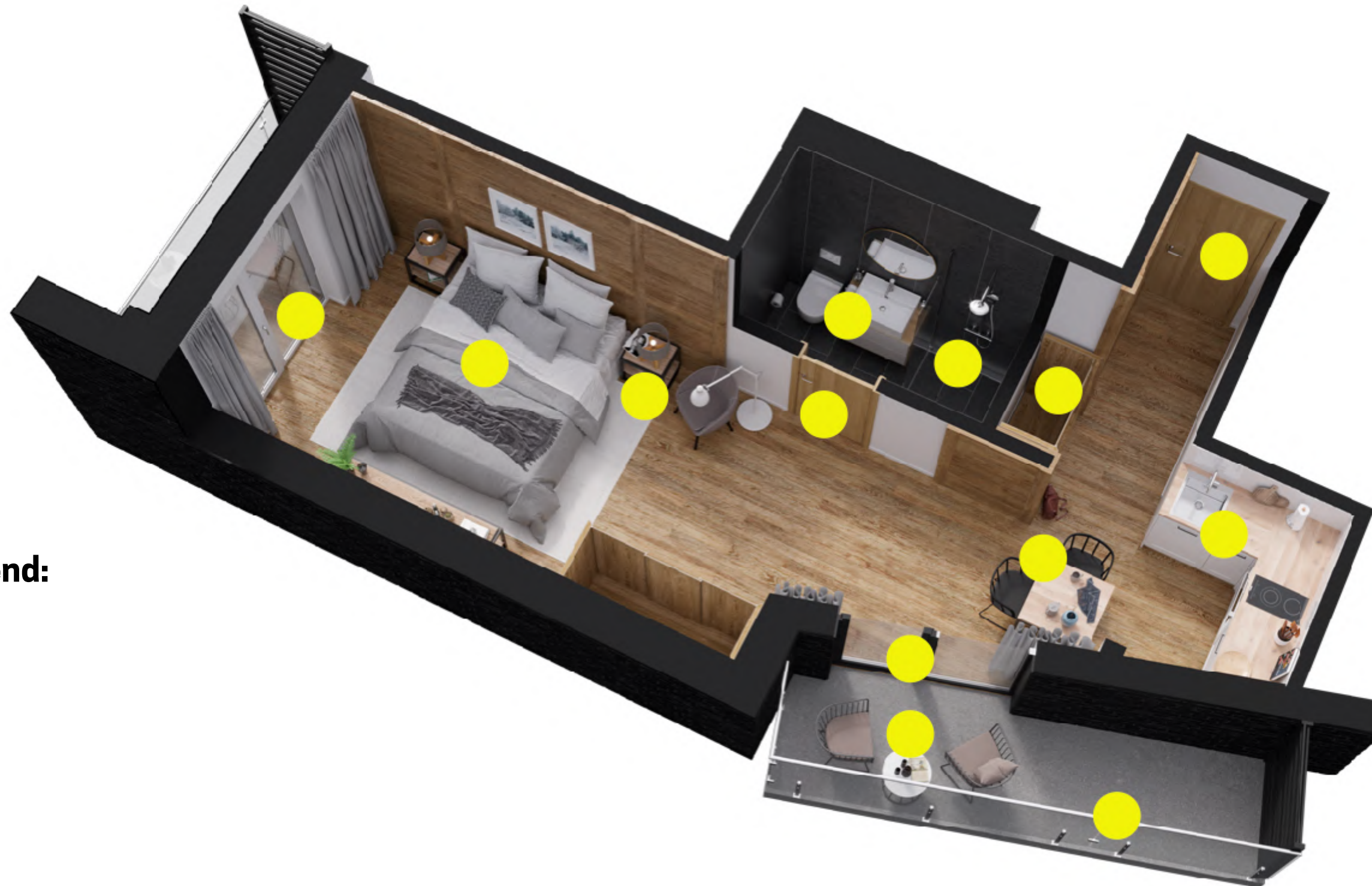
We recommend:

- All furniture, fixtures, fittings
- All glass surfaces
- All doors, handles
- Complete kitchen
- All electronic and electric tools, devices
- Etc.

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Example ...

ANTIMICROBIAL COATING: TYPICAL HOTEL ROOM



We recommend:

- All switches
- Minibar
- TV, Remotes
- Audio system
- Alarm clock
- Cupboards
- Bathroom
- Etc.

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Example ...
**ANTIMICROBIAL COATING:
PHARMA / HEALTHCARE / OTHER**



You'll guess by now where we'd
apply a coating :)

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PREMISES CERTIFICATION



- Wall/Window/Assets Stickers
- Tells your customers, visitors, staff, patrons, students, patients.
- Design Customisable
- Include your logo
- QR code links to special Lotus-Nano.com page with your branding, outlining the work we've done for you and why.
- Linked page also serves as Certificate verification
- Sticker includes application & renewal date
- Also great for your own marketing.

THIS PREMISES HAS BEEN TREATED TO MINIMISE GERMS

Application

Certificate ID



Renewal

**We hereby certify that surfaces of this premises are protected by
Advanced Anti-Microbial Surface Coating.**



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info@Lotus-Nano.com | +91 95791 03930



**THE POSSIBILITIES
ARE ENDLESS.**

**MAKE NANO-COATING WORK FOR
YOU. YOUR COMPETITORS
CERTAINLY WILL.**

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IT IS OUR MISSION TO MAKE NANOTECH WORK FOR THE WORLD. HERE'S TO -

- MORE EFFICIENCY
- MORE SUSTAINABILITY
- MORE PROFITABILITY



- **Startup - Industrial Applications of Nano Products**
- **Independent and unbiased advise and consulting**
- **Headquartered in Pune, India.**
- **German / Indian management**
- **Producer-independent**
- **We preferably source locally and support "Make-in-India" initiative.**
- **We buy only from vetted high-quality producers**
- **Applies best practices, highest health, safety & environmental standards**
- **One-stop "everything nano" support and client-site project execution**
- **Engineering solutions which integrate nanotech into production lines**
- **We employ only skilled professionals**
- **We are a modern learning company**
- **Pays fair wages on time and cares for its people**
- **Equal-opportunity employer**
- **No child labour ever with us**
- **No-questions-asked warranty for all our work + full manufacturer guarantee**

WE'VE GOT

ALL NANO COATING SOLUTIONS

IN STORE FOR SPECIFIC INDUSTRIAL AND COMMERCIAL SETTINGS



the incredible world of surface protection

TOP 9 NANO-COATINGS YOUR BUSINESS SHOULD BE USING TODAY

1. Anti Corrosion
2. Fabric & Textile
3. Electrical & Circuits
4. Antimicrobial
5. Glass & Ceramic
6. Stone & Brick
7. Solar & PV
8. Anti Graffiti
9. Anti-Fog

info@lotus-nano.com
www.lotus-nano.com
+91 95791 03930
+91 91759 14610



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