

You often come across them in everyday life - and they smell awful. They may also be odorless and often go unnoticed!

They make you sick and feel unwell.

Some people are even abused as food.

Quick action is required!

Here is where the work of deconTech partners begins!

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Microorganisms



Worldwide:

Over 50 million people worldwide are affected by nosocomial infections, with a variety of deaths per year.



Bad odors



Public transport:

- Unpleasant odors are a burden to passengers
- Microorganisms transmit diseases



Pests



Global problem:

Bedbugs

Due to global warming, pests are spreading as far as Europe.



Molds



The WHO confirms:

People who are permanently in rooms with a mold infestation have a up to 75% higher risk of developing respiratory disease or asthma.



But what reliable solution is there for...

staphylococcus aureus Pseudomonas aeruginosa

Bedbugs

KPC (Klebsiella pneumoniae Carbapenemase)

Enterococcus hirae

MRSA

BACTERIA

Candida albicans

Black mold

VIRUS

Proteus mirabilis

Acinetobacter XDR

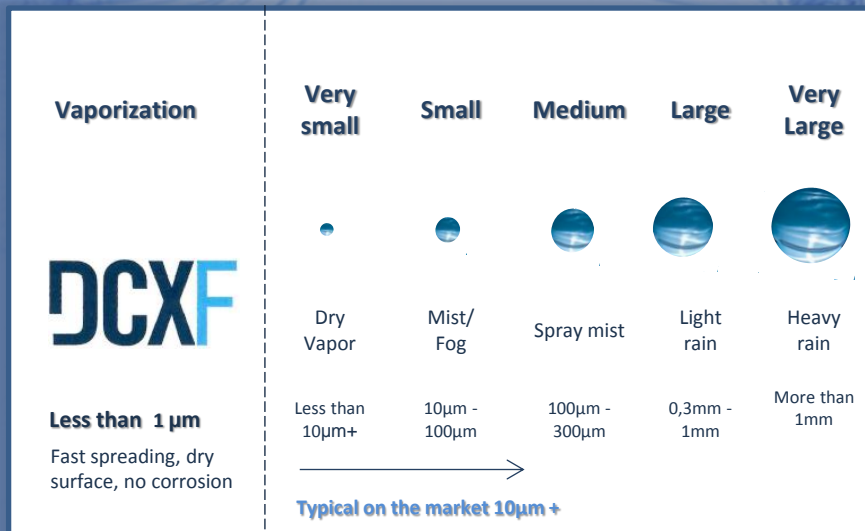
Aspergillus Niger

Black mold SPORES

Escherichia coli

Humane Norovirus (HNV)

Feline calicivirus (FCV) – Catflu



ESBL

Insects

Clostridium difficile

Vancomycin-resistant Enterococcus

DCX-Decontamination

DCX works with micro-evaporation, a specially developed liquid based on a hydrogen peroxide solution.

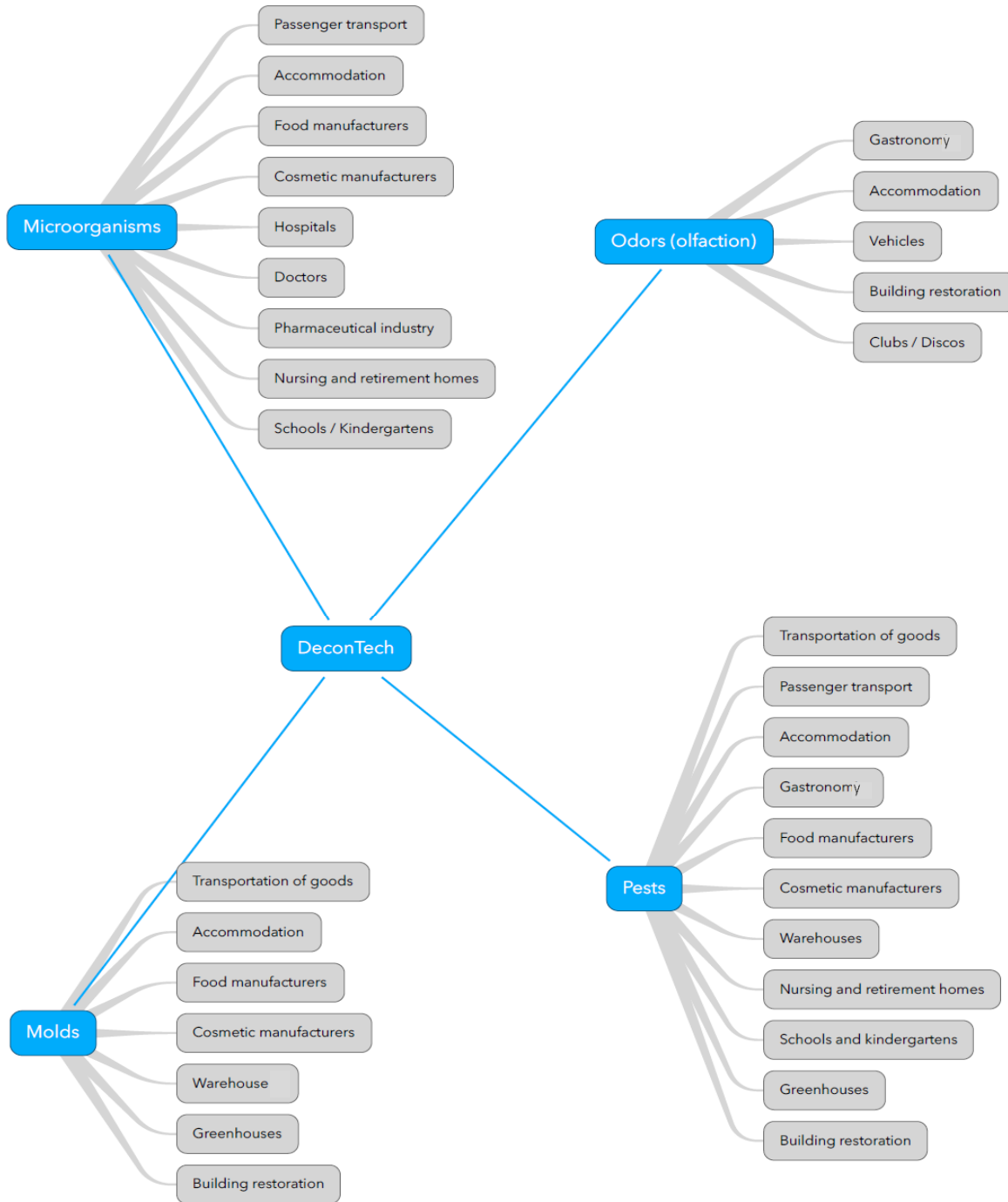
Micro-aerosols offer excellent compatibility for a wide range of materials, electronic devices, and electrical systems. They allow electronic devices to remain in the room.

Useful equipment

Numerous accessories, personal protective equipment, sensors, and sealing materials have been matched and tested to provide a complete solution for the decontamination of rooms and surfaces.

DeconTech not only offers a solution but also a profitable business model!

Generate income without high start-up costs!



What do we do

deconTech's mission is to explore business opportunities for companies working in the field of pest control, cleaning, and building restoration, to provide them with system solutions.

deconTech addresses solutions for 4 main application areas:

- **Microorganisms**
- **Pests**
- **Foul odors**
- **Mold**

You will receive the necessary know-how, tested and proven technology for your profitable business success.

And all this at low entry costs and without a permanent commitment to a business model.



What are the costs of this business model?

Example: Apartment with 60 m² and 2.5 m room height

Proportional employee costs	€ 1.500.-	per month
Fluid costs	€ 1.800.-	per month (for 10 applications)
Device costs	€ 988.-	per month
Total costs	€ 4.288.-	per month



**Revenue for 10 applications:
€ 5.712.- to € 7.712.- per month**

Calculation

Turnover:

10 applications at € 1.000.- to € 1.200.-
Monthly turnover: € 10.000.- to € 12.000.-

Advantages compared to conventional methods :

- Excellent public image
 - Lucrative earning opportunities
 - Income from the start
 - Optimal use of employees
 - Reduction in labor costs
 - Increase the quality of treatment
 - Toxic-free working environment
 - Remote access to application possible
- ✓ Progressive
 - ✓ Secure
 - ✓ Cost/Benefit optimized
 - ✓ Effective



Who are we, and what do we do?

deconTech is a medium-sized company for applications and business models in the field of decontamination.

We offer **proven and tested systems**, because technology, combined with **application know-how**, provides the necessary stability to run a **successful business**.

With this **motivation**, we are building up a **network of service points and service providers** throughout Europe, providing **high quality and profitable services**.



Benefits for our application partners:

- high reputation on the market with high customer satisfaction, since no reworking is necessary
- outstanding quality through technologically mature methods
- decreasing costs due to 30 to 50% less work through partial automation
- better working conditions thanks to a toxic-free, standardized application

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Microrganisms



Bad odors



Molds



Pests



Reliable solution

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Application details

DCX Products

DCX generates micro-aerosols based on patented technology. The system vaporizes a low concentration of special liquid with hydrogen peroxide at room temperature to decontaminate the air and all enclosed surfaces.

The mature application ensures hygiene standards through reproducible and quality-controlled results.

The application is based on 2 main components - the machines and the auxiliary materials. These extra materials are an essential part of the decontamination process and are supplied exclusively to DCX users.

Handling

- Determine the actual condition and preparation of the rooms for decontamination
- Select application parameters and start the device
- Ventilate, test and release the room

Resources needed

- Consumables
- DCX device
- Utility kit
- Fluids
- Electricity
- Access to the object
- etc.

- **Micro-aerosols based on a patented technology**
- **Effective reduction of viruses, bacteria, fungi, and spores**
- **New hygiene standards through an intelligent system**



Details about the technology

DCX Systems—innovative technology and professional application

The systems use a specially developed liquid based on hydrogen peroxide, based on a 7.5% H₂O₂ concentration.

During DCX decontamination, hydrogen peroxide breaks down into water and oxygen.

There are various liquids available, depending on the requirements.

Safe to use and degradable without residues.

Decontamination process

Large particles are separated by energy-saving ultrasonic evaporation at room temperature, followed by a filtering process. As a result, only aerosol particles < 1 µm—so-called micro-aerosols - are generated and released into the room.

Energy efficiency

The vaporization takes place via ultrasound at room temperature, with a minimum energy consumption of approx. 300 watts (max. 700 watts). A standard 240V power connection (socket) is entirely sufficient.

Prozess monitoring

DCX software measures the relative humidity and regulates the hydrogen peroxide concentration in the air.

Reagent / liquid

The DCXF reagent is listed in the expert report list of the Austrian Society for Hygiene, Microbiology and Preventive Medicine (ÖGHMP) as well as in the VAH Association for Applied Hygiene.

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Microbiological
Tested on

Austrian Research Institute
using ÖNORM EN 13697
and the DGHM methods



Details about the device

Hardware

An industrial computer as a control system and database operated by a touch screen monitor. The safety monitoring is done by own relay circuits.

Quality assurance

Two card readers—one for logging in via a login card, the second for identifying the DCX fluid canister using RFID technology in combination with an electronic scale.

This guarantees a tamper-proof use.

Critical process parameters such as temperature and humidity are permanently monitored and recorded. This controls the decontamination process. Readout via an integrated USB interface.

Software control

The software controls the most critical hardware components by recording their operating times.

Quality assurance of the DCXF is made possible by RFID.

The documentation of the most crucial process parameters also serves quality assurance and enables validation of the decontamination.

System monitoring

Regulation control instead of steering control—a certain amount of hydrogen peroxide is released into the room until it reaches a set humidity level. Once the value falls below a specified threshold value, the process starts again. This control loop allows an exact delivery of hydrogen peroxide into the room and also makes results of the decontamination performance reproducible.

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Technical Data - DCXpro

Room size: 1500 m³+

Dimensions in mm (L/W/H):
950 x 450 x 920

Weight: approx. 50 kg

Voltage: 230 V / 50 Hz

Power: max. 400 watts

Protection type: IP 10

Isolation class: class I + II



Become a deconTech partner!
This is where the order opportunities begin.

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