

Solution for disinfection and degermination of indoor surroundings (surfaces and air)

Summary

Profile type	Company's country	POD reference
Technology offer	Germany	TODE20220628006
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement with technical assistance	• World
Contact Person	Term of validity	Last update
Silke SCHLEIFF	28/06/2022 28/06/2023	28/06/2022

General Information

Short summary

A Northern German SME launched to market a mobile aerosol degermination solution to efficiently disinfect interiors in order to protect people in indoor surroundings from risk of virus and bacterial infections. Contacts are sought to application partners e.g. from hotels/tourism industry, fitness/health, conference/fairs or public transport/mobility sector. Commercial agreements with technical assistance are offered.

Full description

With Covid-19 pandemic the awareness for transmission of diseases by ambient air increased significantly and thus also the need for practical solutions for disinfection and degermination of indoor surroundings. A Northern German SME addresses this need with market launch of a mobile aerosol degermination solution, based on the active ingredient hydrogen peroxide, known for more than 150 years for its ability to kill even multi-resistant germs, while being harmless to humans. Hydrogen peroxide breaks down into the common substances water and oxygen with no known evidence of allergies or resistances to the substance. The liquid active substance is delivered in practical PVC (resource recovery) bottles and gets disseminated within interiors by a nebuliser. Using ultrasound technology, the aerosols in the ambient air and even difficult-to-access surfaces in a room are degerminated within a very short time period. Application is possible even while people are in the room. It is a clean and effective solution against viruses and germs, even Coronavirus and Norovirus. The patent pending technology is scientifically proven and the general application is recommended by the Robert Koch Institute. Certificates and assessments are available.

Different sizes of nebuliser kits are available for rooms up to 35 m³:

- mobile version for personal use
- stationary solution for hotels, family events, workplaces, conference rooms, etc.
- on-board gear for yachts, airplanes and vehicles allows the crew to conduct air and surface degermination under full operation

The company also offers refill kits.

Contacts are sought to companies and institutions as detailed above, that are searching for a solution to increase health security within indoor areas. Commercial agreements with technical assistance are offered: The company has set up an online-shop for B2C and B2B sales, but also offers customised presentation and explanation of the technology, including reference to certificates and studies on efficacy to B2B customers.

In addition, the company would like to connect to partners for international distribution and sales to B2B clients. Partners should have well-established networks to potential customers within their area, e.g. to hotels/tourism industry, fitness/health, conference/fairs or public transport/mobility sector. Distribution services/sales representation agreements are envisaged.

Advantages and innovations

- Clean and effective against viruses and germs
- Air and surface degermination
- Harmless to humans, no hazardous substances

Stage of development

Already on the market

Sustainable Development goals

• **Goal 3: Good Health and Well-being**

IPR Status

IPR applied but not yet granted

Partner Sought

Expected role of the partner

Type of partner:

Companies active in or with good networks to hotels/tourism industry, fitness/health, conference/fairs or public transport/mobility sector.

Role of the partner:

- application of the technology
- B2B distribution and sales

Type of partnership

Commercial agreement with technical assistance

Type and size of the partner

- **Big company**
- **SME 50 - 249**
- **SME 11-49**
- **SME <=10**

Dissemination

Technology keywords

- **06001018 - Virus, Virology/Antibiotics/Bacteriology**
- **01004017 - Work Hygiene and Safety Management**
- **01004001 - Applications for Health**

Targeted countries

- **World**

Market keywords

- **05007007 - Other medical/health related (not elsewhere classified)**

Sector groups involved

- **Bio Chem Tech**
- **Maritime Industry and Services**
- **Tourism and Cultural Heritage**
- **Healthcare**

Media

Images



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[nebuliser_middle.png](#)

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