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Sustainable & Healthy: Schlosshotel Blankenburg Switches to Chemical-Free Cleaning

The 4-star hotel in Blankenburg (Harz) has revised its cleaning concept to an environmentally and health-friendly method for disinfecting rooms and public areas. By using micro-dry steam devices from Medeco Cleantec, ecological and efficient cleaning can now be achieved completely without chemicals.

Offering guests a sustainable and healthy stay in the Harz region is the top priority for Schlosshotel Blankenburg. The renowned hotel has long implemented a comprehensive sustainability strategy, certified by the GreenSign Institute. Regional sourcing, green electricity, plastic avoidance, EV charging stations, tree-planting campaigns, and other green initiatives are already in place and experienced by guests. With the recent investment in micro-dry steam devices from Medeco Cleantec, the hotel is setting new benchmarks for guest and staff health protection.



Bild: Schlosshotel Blankenburg (Harz) setzt auf chemiefreie Reinigung (Fotos: GreenSign Institut GmbH / medeco cleantec GmbH)

In this high-tech cleaning method, ordinary tap water is heated to 190°C at 9 bar pressure, turning it into micro-dry steam. This steam penetrates deep into microstructures, creating germ- and virus-free surfaces—without leaving behind moisture. In fact, all areas of the hotel—from the kitchen and guest rooms to the wellness area—can now be cleaned exclusively with micro-dry steam, which also saves significant amounts of water.

Even carpets, upholstery, curtains, TVs, and radiators can be cleaned with the system. Independent expert assessments confirm a germ reduction of over 99.99% on all treated surfaces.

“Allergies, intolerances, and microbial loads are on the rise. After expanding our gastronomy to meet various dietary needs, chemical-free cleaning was our next priority,” says Suzann Heinemann, co-owner and managing director of Schlosshotel Blankenburg.

“We want guests to have peace of mind using all areas of our hotel. Removing cleaning agents also benefits the environment—saving plastic, water, and transportation. It supports our mission to be even more sustainable.”

Medeco Cleantec, creator of the Green CleaningConcept®, proves that professional-grade cleaning can be done entirely without harsh chemicals. With 30+ years of experience in sustainable cleaning and disinfection, the company specializes in industrial and micro-dry steam technologies. Late last year, they also provided multi-day on-site training at Schlosshotel Blankenburg. The new approach enables the housekeeping team to clean more efficiently, faster, and with less strain, all while maintaining hygienic standards without toxic gases or liquids.

Fritz Pattis, inventor of the Green CleaningConcept:

“In tourism, especially in hospitality, sustainability has become a central challenge. That's why GreenSign plays a vital role in setting standards. We're thrilled to see more hotels



About Schlosshotel Blankenburg:

The Schlosshotel Blankenburg impresses with its sustainable concept and invites you to enjoy a relaxing stay in the Harz Mountains. The historic building, with a large free parking lot, is surrounded by 100 hectares of gardens, the Baroque Gardens below Blankenburg Castle.

Opened in 2010, the 4-star hotel has 66 rooms that impress with their coziness, style, modernity and castle ambience. The hotel's own castle restaurant offers seasonal, regional and creative specialties from selected suppliers. The terrace invites you to spend cozy summer evenings outdoors. There are saunas, relaxation areas, beauty treatments and massages in the castle's wellness vault. The Schlosshotel Blankenburg has been awarded GreenSign Hotel Level 4.

Schlosshotel Blankenburg

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About the GreenSign Institute

The GreenSign sustainability certification is awarded by the GreenSign Institute. The now cross-industry certification is practical, was initially developed for the hotel industry and is based on high standards in accordance with EMAS and DIN ISO 14001. With the GreenSign certification, the GreenSign Institute offers hoteliers, SPAs and

companies an integrated and sophisticated testing system that structures, evaluates and documents the ecological, social and economic aspects of business management in over 100 criteria. The creation of a CO2 footprint is also included. The hotel is given the opportunity to further expand its sustainability activities and efficiently optimize its operating processes. In Germany, the GSTC-recognized GreenSign is already the market leader as a sustainability seal for hotels. Over 500 companies in 17 countries are already certified.

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About Medeco Cleantec

Medeco Cleantec GmbH and its partners have more than 30 years of experience and expertise in the development, production, trade and consulting of products for chemical-free hygienic cleaning and

complete green cleaning concepts. Green Cleaning means hygienic cleanliness by dispensing with cleaning agents in daily cleaning. Instead, micro cleaners are used, which use micro dry steam to achieve permanently better cleanliness and hygiene without leaving any chemical residue. The micro dry steam temperature of over 180 degrees effectively reduces germs and, thanks to the low water content of just five percent, cleaning with micro dry steam devices is suitable for all surfaces, including materials such as wood or textiles that are more sensitive to moisture. The high pressure of the so-called microcleaners also ensures that no cleaning agent residues are left behind. New dirt would quickly adhere to these, creating an ideal breeding ground for germs.

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