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Technology & Services for Facility and Hygiene

Simply be sure.



Security is not negotiable.

Air and water are the most important resources for us humans. Their quality influences our health and living conditions. We spend most of our lives in buildings and are exposed to a variety of biological, chemical and physical hazards and risks that affect us.

For more than 15 years domatec GmbH has been a reliable partner in all questions regarding indoor air and drinking water quality in buildings. Customers from the industrial sector, public agencies, and the real estate and construction industries rely on the quality of our services and appreciate the trustworthy, interdisciplinary consulting and competent execution of our service offer.

One of my special personal concerns is our ongoing research and development projects in collaboration with renowned universities, colleges, research institutes and companies. Intelligent products and services can only be created through constant innovation, which then ensure sustainable solutions and improvements in safety in plant and building operation.

I would like to thank our customers and partners for their long-standing trust; without their support and reliable cooperation, nothing in this brochure would be possible.

Robert Priller
Managing Partner



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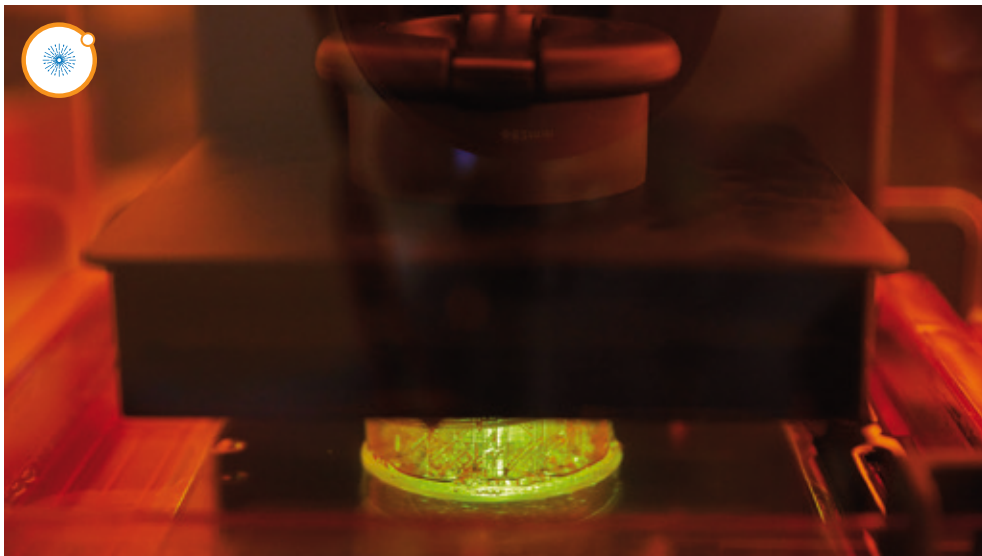


The quality of the air indoors and at the workplace is determined to a large extent by its contents. In addition to the main components nitrogen, oxygen, noble gases and carbon dioxide, the air can also be contaminated with fine dust particles, fibres, chemical substances such as formaldehyde, volatile organic compounds, radon or bioaerosols such as moulds, bacteria and their toxic compounds. Physical factors such as infrasound, draughts, radiant heat and associated thermal comfort also influence our well-being and health.

As well as the natural ventilation of interior spaces through opening windows, air conditioning systems are also used for controlled air exchange especially in office and production buildings. The replacement of air is the most important measure to ensure air quality!

In the event of damage such as tap water damage, inadequate maintenance of air conditioning systems, emissions from building materials and production facilities, undesirable substances can significantly affect air quality and even cause long-term damage to our health.

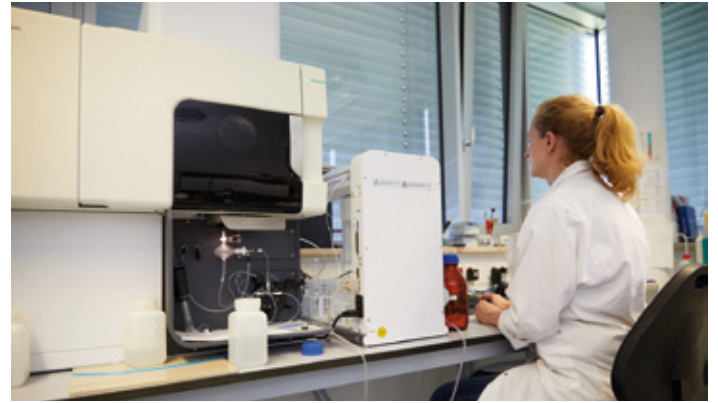
In this field, domatec GmbH possesses extensive know-how, the necessary modern measuring technology as well as interdisciplinary professionals and supports end customers, specialist companies and building managers with preventive measures such as regular hygiene inspections and risk assessments of technical systems and components. Target-oriented solutions are developed in the event of damage so that perfect quality conditions can be restored.





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Drinking water quality must be impeccable at all consumer taps to ensure that there is no risk to health. This standard applies to the entire drinking water supply chain, from extraction, treatment and distribution to the consumer's tap.

Water quality is determined by the physicochemical and bacteriological quality of the ground or surface water. In distribution, hazards and risks can arise from the pipe materials used, the heating of drinking water and stagnation due to low use. Drinking water installations must therefore be periodically checked for bacteria such as *Legionella* or heavy metals such as lead, copper and nickel in order to prevent infection or harm to the health of consumers.

The documentation of hazards and risks is an important basis for the safe operation of drinking water systems. For the safety of consumers in buildings, in addition to the periodic examination of the water quality, hazard and risk assessments of the technical treatment and distribution systems must also be carried out by engineers and technicians. A water safety plan is required by the WHO (World Health Organization) for the permanent quality assurance of drinking water quality in hotels, hospitals, pharmaceutical and food production facilities, swimming pools, public buildings and water suppliers.

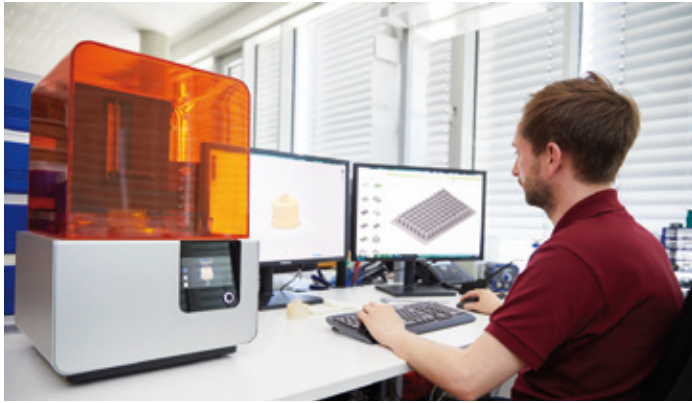
For years domatec GmbH has been successfully active in this field, especially for international hotel groups as well as for clinics and healthcare facilities. Regular checks, the validation of necessary processes and internal audits ensure safety in the drinking water supply.





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In the field of environmental analysis, the experts at domatec GmbH are particularly concerned with air pollutants in indoor air. Building materials, furnishings and other influencing factors can release unwanted gases such as volatile organic substances, radon and nitrogen oxides, particles such as asbestos and artificial mineral fibres (AMF) as well as electrical radiation into an interior space and impair human health.

In addition to modern measuring instruments and procedures for the determination of possible dangers in suspected cases or within the scope of environmental certifications for building seals in new buildings, domatec GmbH offers its customers technical advice and competent support. This concerns both the monitoring of renovation projects and the establishment of quality assurance programmes for indoor air quality.

Multi-parameter monitoring of indoor air quality will also be of particular importance in the near future. New technologies such as the Internet of Things (IOT) will enable continuous measurements to be recorded and evaluated in order to identify imminent dangers in a timely manner. domatec GmbH is developing innovative products and practical solutions for this purpose – so that you always have an overview of the indoor air quality.



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In addition to modern analytical technology, motivated and well-trained employees are the key to success for precise laboratory analysis and valid test results. All processes must be perfectly mastered – maximum concentration is required. An essential basis for meaningful test results is the use of proper sampling techniques by highly trained and monitored internal and external samplers. In a specially developed software environment, all necessary process steps – from sampling and laboratory analysis to customer data management – are documented in a legally compliant and visually appealing cloud solution.

In addition to our own expertise, the seamless operation of a test laboratory also requires reliable partners who supply the laboratory with the necessary test materials and technical gases. Without these, no test report would be able to be sent to customers on time.

The biologists and chemists of domatec GmbH carry out chemical and microbiological analyses of air, water or building materials in our certified in-house laboratory. Bacteria such as Legionella, moulds and their metabolites such as mycotoxins, chemical pollutants or corrosion-induced effects in closed water circuits of technical systems are reliably localised and analysed. In addition to routine tests, we also carry out special tests to answer specific questions from our customers.

Application-related research and development projects lead to product innovations and patents which can be commercially used by testing laboratories worldwide. A rapid test developed by domatec GmbH enables reliable and very inexpensive detection of Legionella in water in 18 to 24 hours.

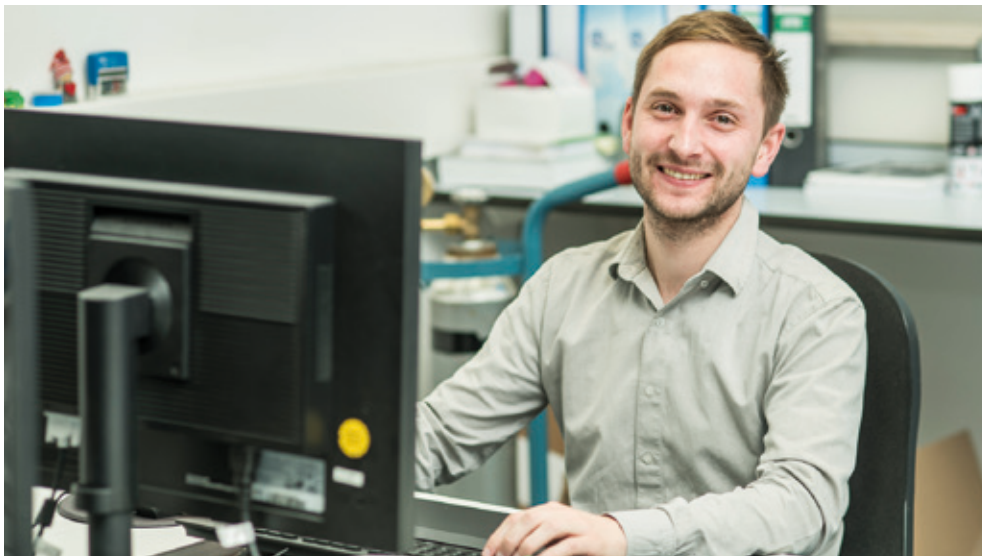




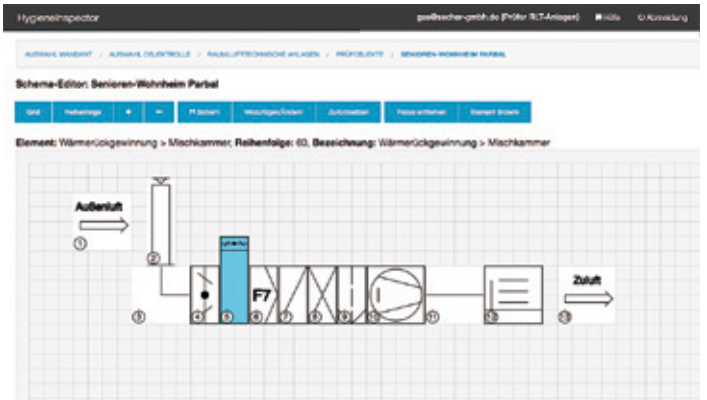
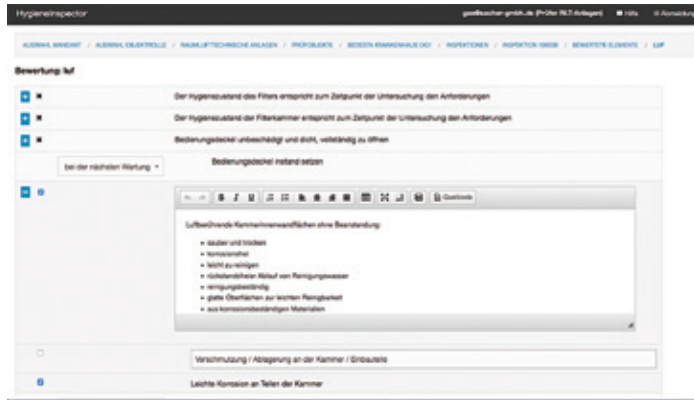


Lifelong learning is an important prerequisite and necessity to keep pace with rapid progress in a technology-driven society. Legal requirements change, state of the art technology continues to develop, special qualifications are required in order to guarantee the safety of technical installations through risk-oriented inspection, maintenance or repair in the long term.

In cooperation with associations such as the DFLW e. V. (German Association for Air and Water Hygiene), training and qualification measures are offered and carried out by experienced instructors. In modern lecture rooms and with the help of practical teaching aids, participants are taught technical knowledge that they can later apply in their daily work. Over the past 12 years, we have had thousands of satisfied participants – and we aspire to continue doing so into the future!







The requirements for a legally compliant documentation of monitored physical, chemical and microbiological parameters for the operation of technical investments are rising continuously. Current data and plant-specific information enable the right decisions to be made for safe operation. In the event of deviations, corrective action can be taken quickly.

Together with highly specialised software developers, domatec GmbH has developed expert systems for carrying out hygiene inspections and hazard assessments, keeping operating logs, and documenting measurement and test values for technical building equipment systems.

HygieneInspector® is a cloud-based expert system for ventilation and air-conditioning systems as well as for evaporative cooling systems, which allows on-site inspections and hazard assessments to be carried out and documented both online and offline. The expert system makes use of an up-to-date knowledge database where technical requirements for the respective plant components are stored. Building owners can have role-based access to the web database to enable paperless management of test reports.

Aquadoc® is a cloud-based expert system for the periodic sampling of drinking water installations for biological and chemical water parameters. The database enables a process-oriented execution and documentation of all activities using one system, from sampling and laboratory analysis to the administration of test reports!

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Als unabhängiges Unternehmen bieten wir Ihnen qualitativ hochwertige Produkte für die Trinkwasseranalytik, eine hohe Liefertreue und eine kompetente Produktberatung.

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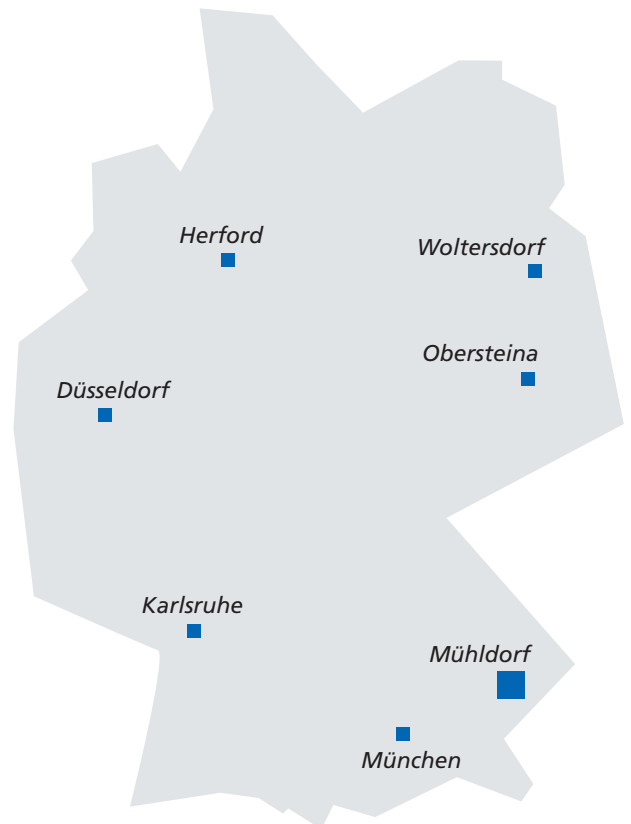
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