

news +++ Cleanzone  
23 + 24 November 2022  
Frankfurt am Main



## Cleanzone 2022 focuses on energy efficiency, stable supply chains and smart automation

**Frankfurt am Main, 25.08.2022. Cleanroom technology continues to soar, but high energy prices and unstable supply chains pose new challenges for the industry. Cleanzone on 23 + 24 November in Frankfurt am Main offers suppliers and users of cleanroom technology the opportunity to discuss the top issues of energy efficiency, sustainable and secure supply chains and smart automation.**

The Cleanzone Strategy Commission and the Cleanzone Conference Jury, together with Messe Frankfurt, have identified three key themes for Cleanzone 2022. Anja Diete, Show Director Cleanzone, elaborates: "It was wonderful to hear that the order books are full across all application fields of cleanroom technology. Nevertheless, current political and economic developments are presenting the industry with new challenges. Therefore, Cleanzone comes at just the right time to discuss energy efficiency, automation and digitalisation as well as solutions for stable and sustainable supply chains, both at the Cleanzone Conference and of course at the exhibitors' stands."

### **Sustainability: energy-efficient and minimal**

Due to climate change and increased energy prices, energy efficiency and sustainability are high on the agenda in the cleanroom industry. The industry's willingness to invest in energy-efficient measures has increased significantly. The operation of cleanrooms, especially air-conditioning and ventilation technology, is energy-intensive. The trend is therefore towards optimising energy consumption on the one hand and reducing cleanroom space to the really critical areas on the other. The exhibitors at Cleanzone are therefore focusing on minienvironments, isolators and highly efficient filter fan units.

### **Cleanroom Supply Chain: Integrity, Compliance and Sustainability**

In our new normal and post COVID-19 how can Cleanroom supply chains be protected, even in turbulent times? Global supply chains have been severely disrupted and critical infrastructure elements across raw materials, components, equipment, consumables and services in Pharma, BioPharma, Medical Devices and Healthcare must find new and enhanced ways of protection for product quality, compliance and sustainability. This challenge is especially relevant to GMP cleanrooms and in particular with the imminent release of the long awaited and updated EU GMP Annex 1. The assessment of risks across the entire manufacturing process (QRM), and having a coherent and comprehensive contamination control strategy (CCS) in response, are anchored firmly in the new Annex 1. Annex 1 is expected to be published in advance of Cleanzone 2022 and both the understanding and how to meet the new requirements will be key focus of attention at the conference.

## Automation: smart and digital

Automation, digitization, robotization are in full swing in the pharmaceutical and microtechnology industries to optimise processes and minimise the risk of human contamination in the cleanroom. How can the data collected in production be intelligently networked and generate new business models? The convergence of IT (Information Technology) and OT (Operational Technology) brings many advantages and is a basic prerequisite for "Pharma 4.0" as well as the "Data Driven Enterprise" - but only if IT security is guaranteed. With the help of "Predictive Quality" and "Predictive Maintenance", possible rejects or production downtime can be detected in advance thanks to intelligent image recognition and processing, and thus prevented. Participants at Cleanzone can find out about new technologies for smart automation from leading companies in the field of clean technology on 23 and 24 November in Frankfurt am Main.



Energy efficiency is high on the agenda at Cleanzone. Source: Messe Frankfurt/Petra Welzel

Further information on the top themes at Cleanzone, the international trade fair for cleanroom and cleanliness technology, hygiene and contamination control:

[www.cleanzone.messefrankfurt.com/programme-events](http://www.cleanzone.messefrankfurt.com/programme-events)

Further information on the exhibitors at Cleanzone:

[www.cleanzone.messefrankfurt.com/exhibitors](http://www.cleanzone.messefrankfurt.com/exhibitors)

Further information on Cleanzone:

[www.cleanzone.messefrankfurt.com](http://www.cleanzone.messefrankfurt.com)

[www.cleanzone.messefrankfurt.com/facebook](http://www.cleanzone.messefrankfurt.com/facebook)

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**Background information on Messe Frankfurt**

The Messe Frankfurt Group is one of the world's leading trade fair, congress and event organisers with their own exhibition grounds. With a workforce of 2,200 people at its headquarters in Frankfurt am Main and in 28 subsidiaries, it organises events around the world. As in the previous year, annual sales for 2021 were significantly lower owing to the COVID-19 pandemic: approximately €154 million compared with Group sales as high as €736 million in pre-pandemic 2019. We serve our customers' business interests efficiently within the framework of our Fairs & Events, Locations and Services business fields. Sustainable business practices are a central pillar in our corporate strategy and strike a healthy balance between ecological and economic interests, social responsibility and diversity. Another of Messe Frankfurt's strengths is its powerful and closely knit global sales network, which covers around 180 countries in all regions of the world. Our comprehensive range of services – both onsite and online – ensures that customers worldwide enjoy consistently high quality and flexibility when planning, organising and running their events. We are using our digital expertise to develop new business models. The wide range of services includes renting exhibition grounds, trade fair construction and marketing, personnel and food services.

With its headquarters in Frankfurt am Main, the company is owned by the City of Frankfurt (60 percent) and the State of Hesse (40 percent).

For more information, please visit our website at: [www.messefrankfurt.com](http://www.messefrankfurt.com)