



## Technical innovation, energy efficiency and lifelong learning - these are the top themes at Cleanzone

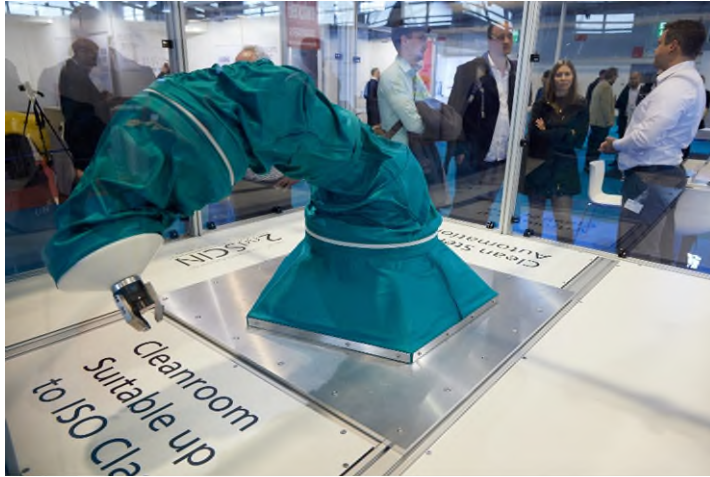
**Frankfurt am Main, 29 11 2023. Every two years, Cleanzone in Frankfurt is the meeting place for experts in cleanroom and cleanliness technology, hygiene and contamination control. And that will again be the case on September 25 and 26, 2024, when the etrade fair is opening its doors for the eleventh time in Frankfurt. Cleanzone presents three top themes to summarize the trends moving the industry. These include 'technology and innovations'. Artificial intelligence plays a major role here, as do material innovations and new developments in network automation. Other top themes are "energy efficiency and sustainability" and "education, lifelong learning and qualifications".**

The international cross-section fair Cleanzone connects the most diverse industries. It offers a comprehensive market overview of the latest solutions for production and research. Exhibiting companies and visitors from all relevant application areas such as the pharmaceutical industry, biotechnology, chemical industry, healthcare, food technology, surface and plastics technology, microelectronics, optics and laser technology, aerospace technology and the automotive industry come to network in Frankfurt. 40 percent of the exhibitors at the last Cleanzone came from abroad.

The top themes in detail:

### **Technology and innovations for a wide range of applications**

This top topic deals with the importance of technology and innovations in the cleanroom. In almost every industry, products are being manufactured under clean conditions; technical details are therefore crucial. The scope of this topic ranges from automotive production to biotechnology and pharmaceuticals. The production of medical cannabis, for example, requires aseptic production processes and a cleanroom environment. Cleanroom technology is also used in the dismantling of nuclear power plants or in the production of semiconductors, batteries and components for electromobility. Here, it is essential to meet special quality requirements and specific standards and to ensure efficient production. Innovations, for example in digitalization and in the field of artificial intelligence, drive the industry forward and at the same time contribute to the sustainability and profitability of companies. Cleanzone is the place where technical and innovative solutions are on display.



Die Cleanzone zeigt technische Innovationen – auch im Reinraum ein bedeutsames Thema. Quelle: Messe Frankfurt Exhibition

### **Energy efficiency and sustainability in cleanrooms**

How do you save energy in the cleanroom? This is a major issue in the industry. New energy, energy optimization, CO2 footprint, new regulations and certifications are the buzz words here. The taxonomy regulation as part of the EU's Green Deal confronts cleanroom specialists with new challenges. Ecological and sustainable qualities must now be made measurable; this results in new fields of action and objectives. But this also creates opportunities, as sustainability contributions foster a positive reputation. Solutions for energy saving include flexible project planning, new production methods such as the "breathing factory" and product innovations, for example in the field of clean room dehumidification. Cleanzone provides the ideal platform for a professional exchange on this topic.

### **Education, lifelong learning and professional qualification**

An important element enabling cleanroom companies to grow and achieve their sustainability goals is qualified personnel. In particular, the special know-how required for planning and operating cleanrooms cannot be acquired through a single training course. Rather, specialized knowledge is built up through experience, continuous training and lifelong learning. The industry is also affected by a general shortage of personnel. One of the ways to retain and attract skilled personnel is to enhance the image of cleanroom companies. Cleanzone not only fulfills the task of sharing and exchanging expertise and know-how, but also serves as a platform where staff can be recruited.

### **Cleanzone - interdisciplinary and international**

"Cleanroom technology is used in almost every high-tech production process," says Anja Diete, Director of Cleanzone. "That's why Cleanzone is such an exciting exhibition. With this interdisciplinary approach, it brings together experts from the most different industries. The exhibition offers cleanroom companies an excellent platform to show their solutions and become more present as an industry."

Companies wishing to exhibit can already sign up for Cleanzone 2024. More information and stand prices as well as packages can be found [here](#).

Cleanzone

Cleanzone, international trade fair for cleanroom and cleanliness technology, hygiene and contamination control. The event Cleanzone will be held on 25 and 26 September 2024.

**Information for journalists:**

<https://cleanzone.messefrankfurt.com/frankfurt/en/press.html>

**Links to websites:**

[www.facebook.com/cleanzoneFFM](http://www.facebook.com/cleanzoneFFM)

[twitter.com/Cleanzone\\_FFM](https://twitter.com/Cleanzone_FFM)

<https://www.linkedin.com/showcase/11790587/admin/feed/posts/>



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