

CLEANZONE 2018

Fraunhofer IPA - nucleus of innovations

We produce the future! In order to take this basic idea into account, the Fraunhofer IPA has been conducting application-oriented, innovative, interdisciplinary and sustainable research for almost 60 years.

The "Cleanzone Campus" research area focuses on two innovations: a mobile and flexible cleanroom tent and the IT communication tool "FlexNote".

For the first time, the development phase of the cleanroom system is presented in detail, taking into account the respective technology readiness level. We would like to invite you to join us in looking at and understanding the process from the idea to the first sketch, through prototype construction to the final product. During the CLEANZONE exhibition, take a look at the first sketch on paper, then enter our demonstrator and venture with us into the future fields of application of the flexible cleanroom environment, such as a mobile operating room.

With FlexNote, Fraunhofer IPA has developed a mobile application that represents the next steps towards a paperless cleanroom and the reduction of contamination sources. With the help of this mobile app, any observations can be recorded or pending tasks can be documented within a very short time. Targeted distribution and transparent tracking are guaranteed. A wide range of warning levels can be triggered automatically for messages of contamination-critical situations. An object-related overview of current and past events supports continuous optimization processes.