European XFEL Schenefeld

Schenefeld, Germany

Lindner



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Project Description

The metropolitan region of Hamburg saw the development of a superlative research facility: a 3.4
Kilometres long tunnel facility with multiple overground structures that is used to generate ultrashort
X-ray flashes – 27,000 times per second and with a brilliance that is a billion times higher than that of the best conventional X-ray radiation sources. This facility allows scientist to disassemble materials to their finest atomic structure, benefiting scientific fields such as astrology or disease control. A large part of the research facilities and all of the institute´s administration is based in Schenefeld, where a new construction with two office floors and a laboratory floor have been built upon the research tunnels. Lindner Reinraumtechnik was awarded with the complete fit-out of the laboratory units and clean rooms. These areas have been fitted with numerous products from the Lindner range, incl. ceilings, partitions, doors, floors and lock systems and improved with several custom solutions such as an entirely freestanding clean room with a specialized ventilation concept. In the office areas, Lindner AG created spatial separation between central passageways and offices by installing Lindner Partitions. Sound absorbers with fabric coating additionally improve acoustics. The second field of performance in the office areas were ceiling systems. LMD-E Hook-on Ceilings have been fitted in all offices and hallways, where their appearance was further improved by so-called expanded metal circles. With integrated ventilation systems and a perforation, the ceilings also serve functional aspects.

General

Building Type	Office Buildings, Laboratories and Research Facilities, Industrial and commercial construction
Company Division	Lindner SE | Fit-Out North.Northwest Germany, Lindner SE | Clean Rooms, Lindner SE | Partitions
Completition	2016

Client	European XFEL GmbH
Architect	BLUNCK + MORGEN | DERU

Completed Works

- **Clean Room**

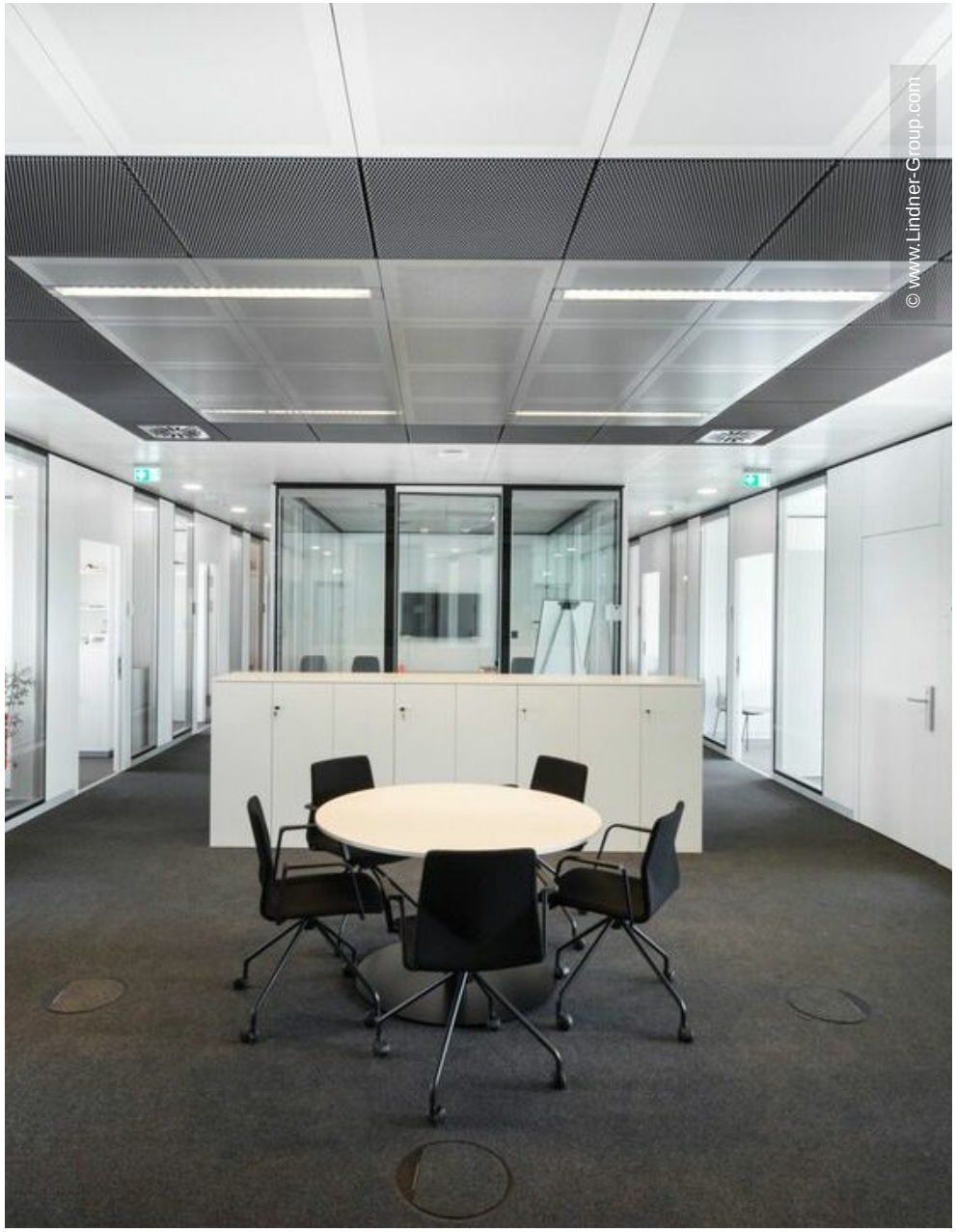
  Aluminium grid systems
  Crossdata 55A
  Steel grid systems
  Clean Room Partitions
  Sliding doors
  Hinged doors
  Clean Room Floor
  Surface-mounted lights
  Integrated lights

- **Ceilings**

  Metal Ceilings

- **Partitions**

  Partition Systems Glass
  Partition Systems Full Panel
  Lindner Logic 100 Metal
  Doors for Partition Systems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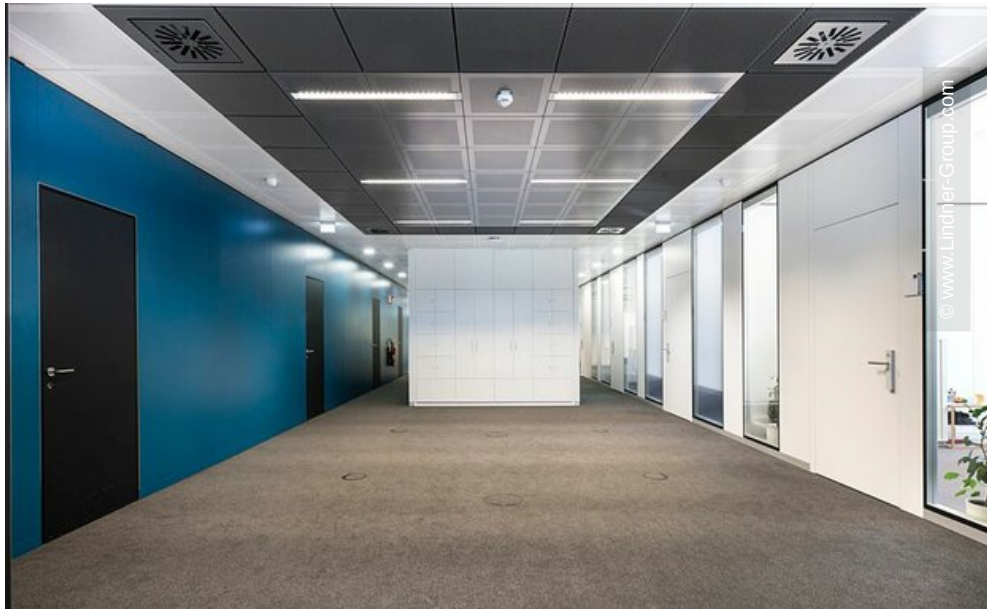
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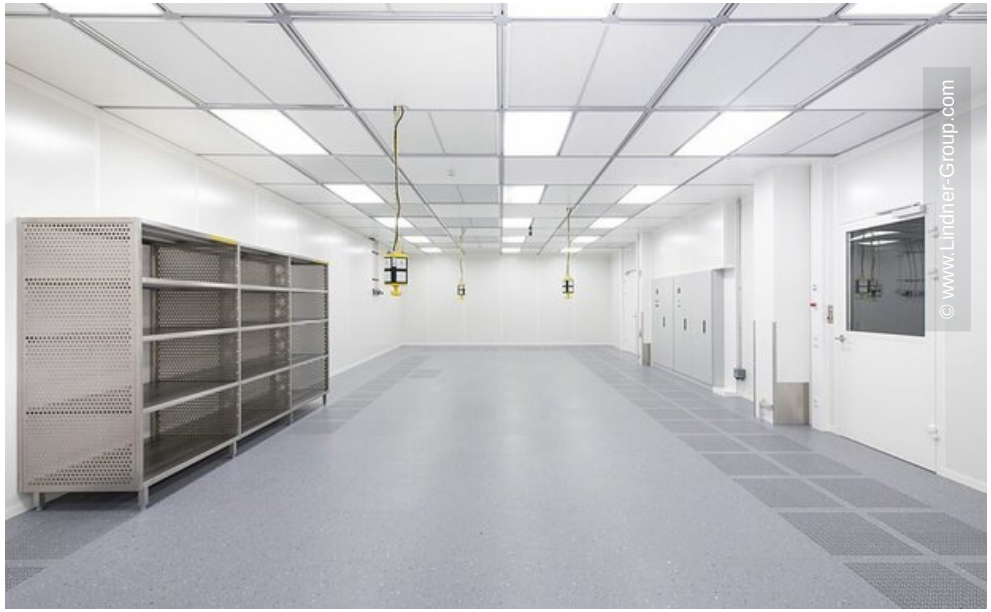
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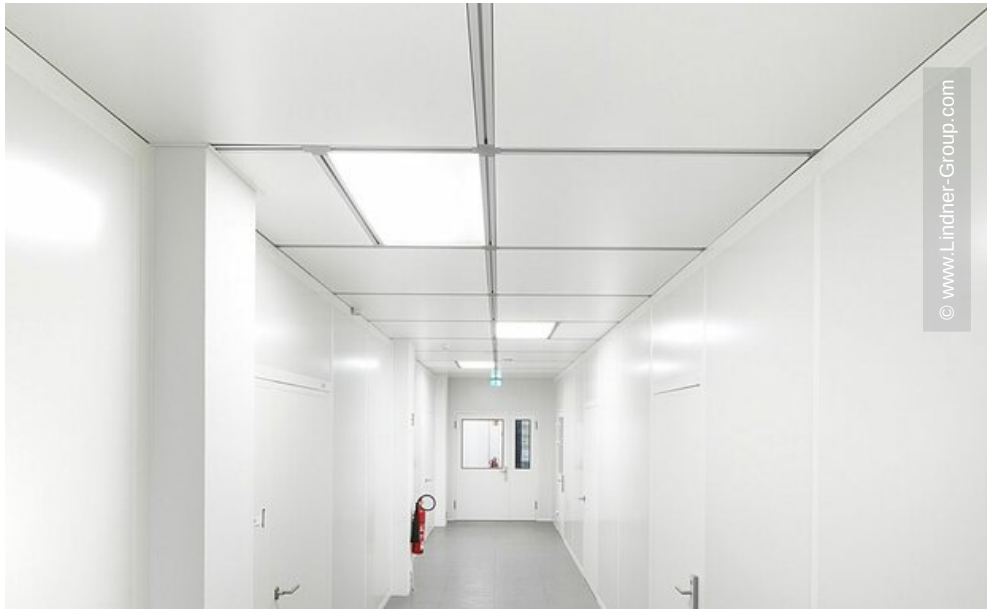
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