

Reference

Schenefeld, Germany

General:

Concept/Product: , ,

Building Type: Research buildings/Laboratory, Office buildings

Client European XFEL GmbH

Architecture BLUNCK+MORGEN | DERU

Completion: 2016

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.

Completed Works:

Clean room ceilings

Crossdata joint ceilings Line post cap ceilings

Clean room partitions

Stand-crossbar construction

Shell construction

Clean room doors

Sliding doors

Hinged doors

Clean room floors

Raised floors

Clean room light fixtures

Panel mounted light fixtures

Downlights

Surface-mounted ceiling luminaires

Building services

FO Metal ceiling

LMD-E - Hook-on/Corridor ceilings

LMD-St - Expanded Metal ceilings

Glass partitions

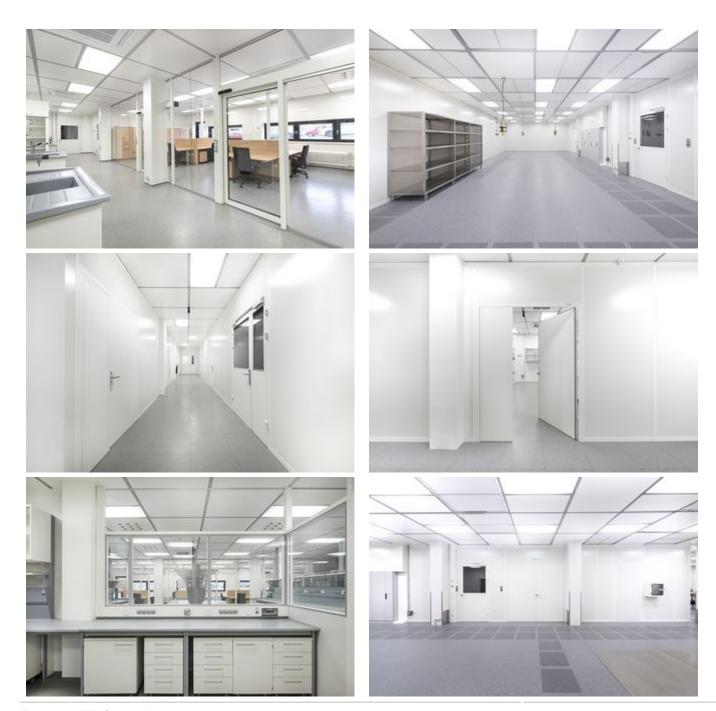
Lindner Life glass partitions

Partitions

Metal partition - Lindner Logic

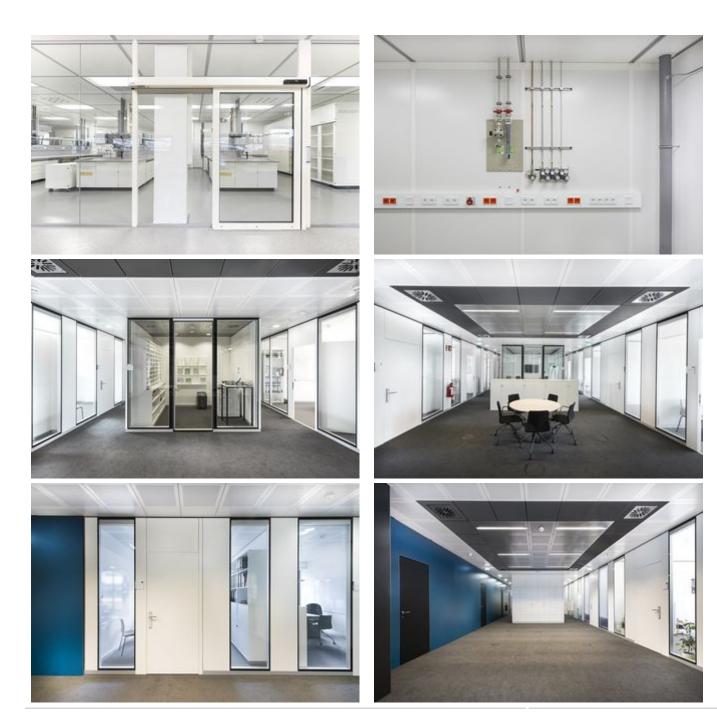
Doors

Doors for wall systems - Lindner Plus



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