

Centre for Photonics and Optics (ZPO)



“Germany is leading the way when it comes to photonics and microsystems technology. Our core task is to defend and expand our top rank now and in the future.”

Dear readers,

Photonics and optics are more than just a fascinating field of research; they are also one of the fastest-growing industries in the world. Integrated optical systems are used in the steering technologies of our cars as well as consumer electronics. They are changing our everyday life: how we communicate, work, travel, and do research.

Adlershof stands for network-based thinking. German providers are leading in this field. Many renowned companies are based in the Technology Park (including II-VI Directphotonics GmbH, Bruker Nano GmbH, Corning Optical Communications GmbH & Co.KG, FISBA Photonics GmbH, opTricon Entwicklungsgesellschaft für optische Technologien mbH, and Trumpf Laser GmbH). The innovations created here also contribute to the advancement of other growing industries, such as the life sciences, medical technology, image processing, measurement technology, and industrial engineering. One essential success factor is our holistic approach: close cooperation between research facilities and companies.

Yours,

Dr. Bernd Ludwig

Head of the Centre for Photonics and Optics



17,300 sqm

Labs, manufacturing, office space



60

Companies



1,260

Employees

Key Areas

- Biomedical optics
- Analytics
- Optoelectronics
- Sensors
- Optical components
- Light technology
- Laser technology
- Communications technology

Research Institutions

- Humboldt-Universität zu Berlin
- Helmholtz Zentrum Berlin für Materialien und Energie (HZB)
- Max Born Institute for Nonlinear Optics and Short Pulse Spectroscopy (MBI)
- Leibniz-Institute for Analytical Sciences (ISAS)
- Ferdinand-Braun-Institut, Leibniz-Institut fuer Hoechstfrequenztechnik (FBH)
- Physikalisch-Technische Bundesanstalt (PTB)
- Federal Institute for Materials Research and Testing (BAM)

Centre for Photonics and Optics I

Adlershof, Carl-Scheele Str. 16



Lab Equipment

- Conductive Duralite flooring, guaranteed load 5kN/sqm
- Cable ducts for electric and data
- Partially structured cabling (KAT5), data transfer rate 100Mbit/sec
- Available media: nitrogen, compressed air, cooling, DI water, air conditioning with prefiltered air flow (ISO 8), separate exhaust system, fuel gas propane

Industrial Hall Equipment

- Conductive Duralite flooring, guaranteed load 12.5kN/sqm, decoupled foundation
- Electricity from floor outlet boxes
- Nitrogen, compressed air, cooling, DI water, air conditioning with prefiltered air flow (ISO 8), separate exhaust system, fuel gas propane, vacuum system

Office Equipment

- Conductive flooring
- Cable ducts for electric and data

Key Facts

Laboratory building with physics labs and clean rooms / Industrial hall

building with a 475 sqm clean room

Location: Carl-Scheele Str. 16, 12489 Berlin

Built in: 1998

Self-contained units: starting at 120 sqm

Net internal area: 6,400 sqm

Workshop Equipment

- Conductive Duralite flooring, guaranteed load 5kN/sqm
- Cable ducts for electric and data

CONTACT

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Centre for Photonics and Optics II

Adlershof, Schwarzschildstr. 1



Lab Equipment

- Conductive Duralite flooring, guaranteed load 5kN/sqm
- Cable ducts for electric and data
- Partially structured cabling (KAT5), data transfer rate 100Mbit/sec
- Available media: nitrogen, compressed air, cooling, DI water, air conditioning with prefiltered air flow (ISO 8), separate exhaust system, fuel gas propane

Workshop Equipment

- Conductive Duralite flooring, guaranteed load 5kN/sqm
- Cable ducts for electric and data

Office Equipment

- Conductive flooring
- Cable ducts for electric and data

Key Facts

Laboratory building with physics labs

Location: Schwarzschildstr. 1, 12489 Berlin

Built in: 1998

Net internal area: 2,100 sqm

Office space: starting at 18 sqm

Self-contained units: starting at 130 sqm

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Centre for Photonics and Optics III

Adlershof, Schwarzschildstr. 3



Lab Equipment

- Conductive Duralite flooring, guaranteed load 5kN/sqm
- Cable ducts for electric and data
- Partially structured cabling (KAT5), data transfer rate 100Mbit/sec
- Available media: nitrogen, compressed air, cooling, DI water, air conditioning with prefiltered air flow (ISO 8), separate exhaust system

Office Equipment

- Conductive flooring
- Electric and data in floor outlet boxes

Workshop Equipment

- Conductive Duralite flooring, guaranteed load 5kN/sqm
- Cable ducts for electric and data

Key Facts

Laboratory building with physics labs

Location: Schwarzschildstr. 3, 12489 Berlin

Built in: 2000

Net internal area: 2,100 sqm

Office spaces: starting at 18 sqm

Two self-contained units: each at 650 sqm

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Centre for Photonics and Optics IV



Adlershof, Schwarzschildstr. 6



Lab Equipment

- Conductive Duralite flooring, guaranteed load 5kN/sqm
- Cable ducts for electric and data
- Partially structured cabling (KAT5), data transfer rate 100Mbit/sec
- Available media: nitrogen, compressed air, cooling, DI water, air conditioning with prefiltered air flow (ISO 8), separate exhaust system, fuel gas propane

Industrial Hall Equipment

- Conductive Duralite flooring, guaranteed load 12.5kN/sqm, decoupled foundation
- Electricity from floor outlet boxes
- Nitrogen, compressed air, cooling, DI water, air conditioning with prefiltered air flow (ISO 8), separate exhaust system, fuel gas propane, vacuum system

Office Equipment

- Conductive flooring
- Cable ducts for electric and data
- Conductive Duralite flooring, guaranteed load 5kN/sqm

Key Facts

Industrial hall building with circumferential workshops including physics and biotech labs

Location: Schwarzschildstr. 6, 12489 Berlin

Built in: 1998

Net internal area: 2,600 sqm

Industrial warehouses: 2 at each 310 sqm

Workshop Equipment

- Conductive Duralite flooring, guaranteed load 5kN/sqm
- Cable ducts for electric and data

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Centre for Photonics and Optics V

Adlershof, Schwarzschildstr. 8–12



Lab Equipment

- Conductive Duralite flooring, guaranteed load 5kN/sqm
- Cable ducts for electric and data
- Partially structured cabling (KAT5), data transfer rate 100Mbit/sec
- Available media: nitrogen, compressed air, cooling, DI water, air conditioning with prefiltered air flow (ISO 8), separate exhaust system, fuel gas propane

Office Equipment

- Conductive flooring
- Cable ducts for electric and data

Workshop Equipment

- Conductive Duralite flooring, guaranteed load 5kN/sqm
- Cable ducts for electric and data

Key Facts

Location: Schwarzschildstr. 8–12, 12489 Berlin

Built in: 1996

Net internal area: 4,100 sqm

Office spaces: starting at 19 sqm

1 self-contained space: 260 sqm

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