





HERKÖMMLICHER PLANUNGSPROZESS



PROJEKTPARTNER:

Dipl. Geol. Harald von Reis BDG

INGENIEURBÜRO FÜR UMWELTFRAGEN



HAHN HELTEN + ASS.
ARCHITEKTEN GmbH



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INTEGRALER PLANUNGSPROZESS



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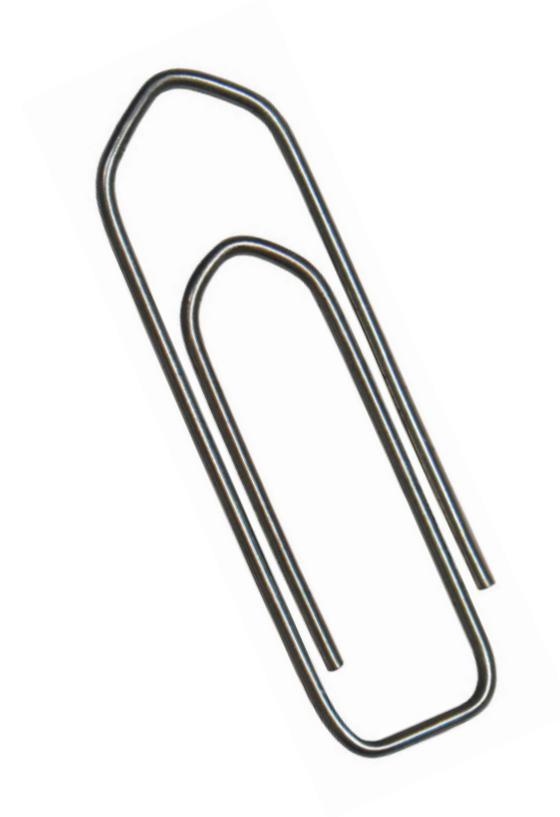
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AUFGABE

- Funktionen
- Flexibilitäten
- Synergien





ORT

- Kontext
- Landschaft
- Alt - Neu





BAUHERREN

- Orden der Oblaten d. heiligen Franz von Sales e.V.
- Lehrkonzept
- Philosophie / Selbstverständnis





INVESTITIONSKOSTEN





UNTERHALTSKOSTEN

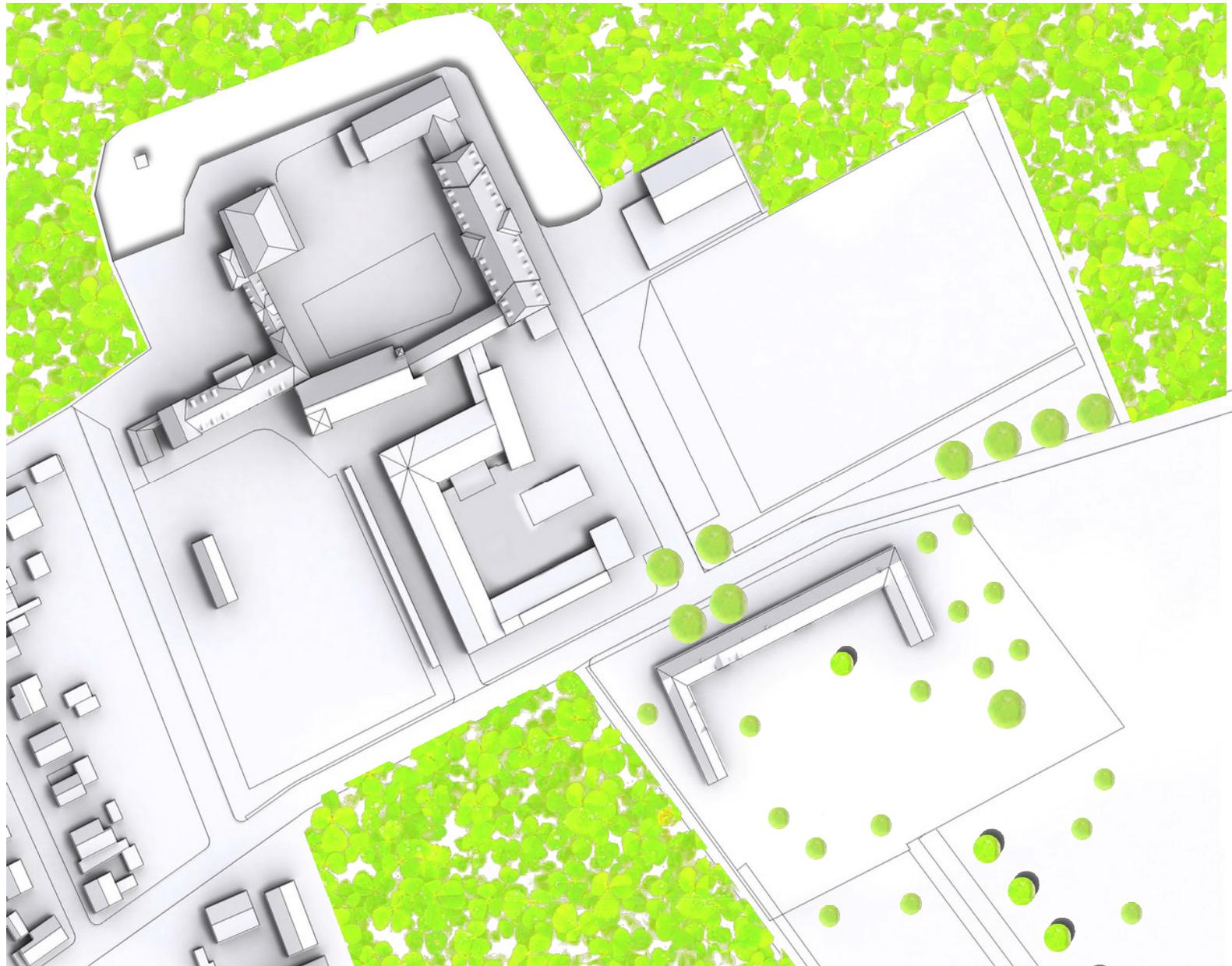
- Betriebskosten (geringe Energiekosten)
- Lebenszykluskosten (Wartung und Folgekosten)

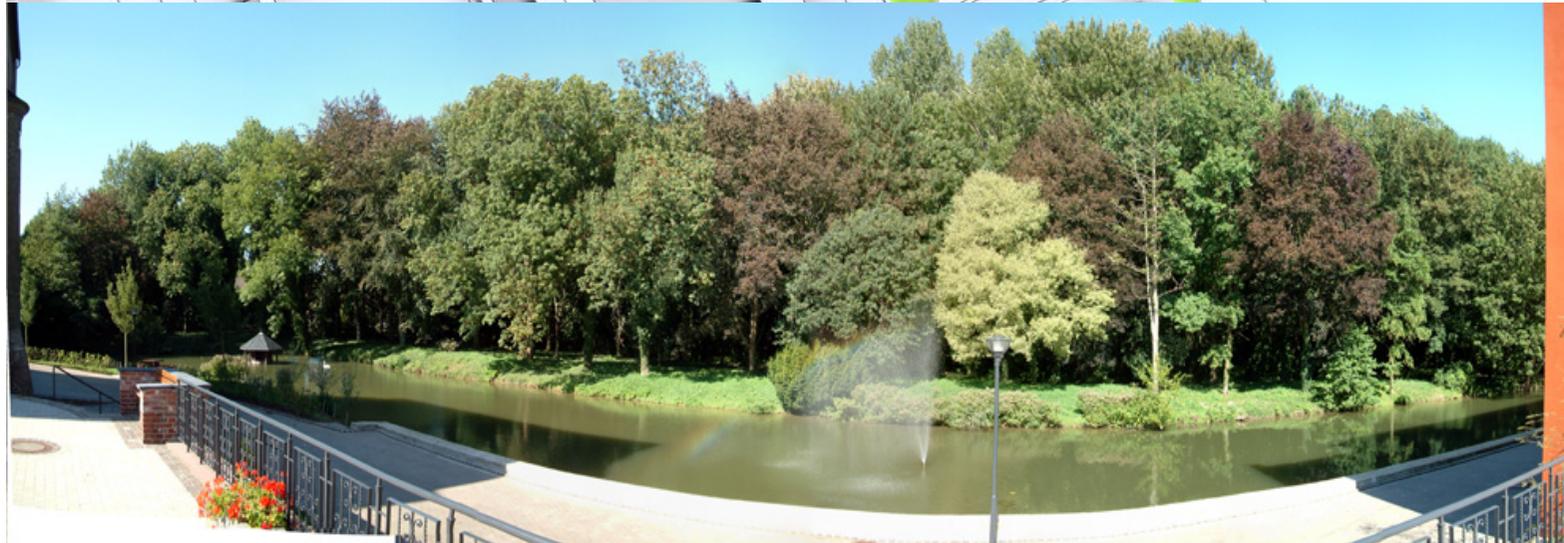




ARCHITEKTUR







PROJEKTPARTNER:

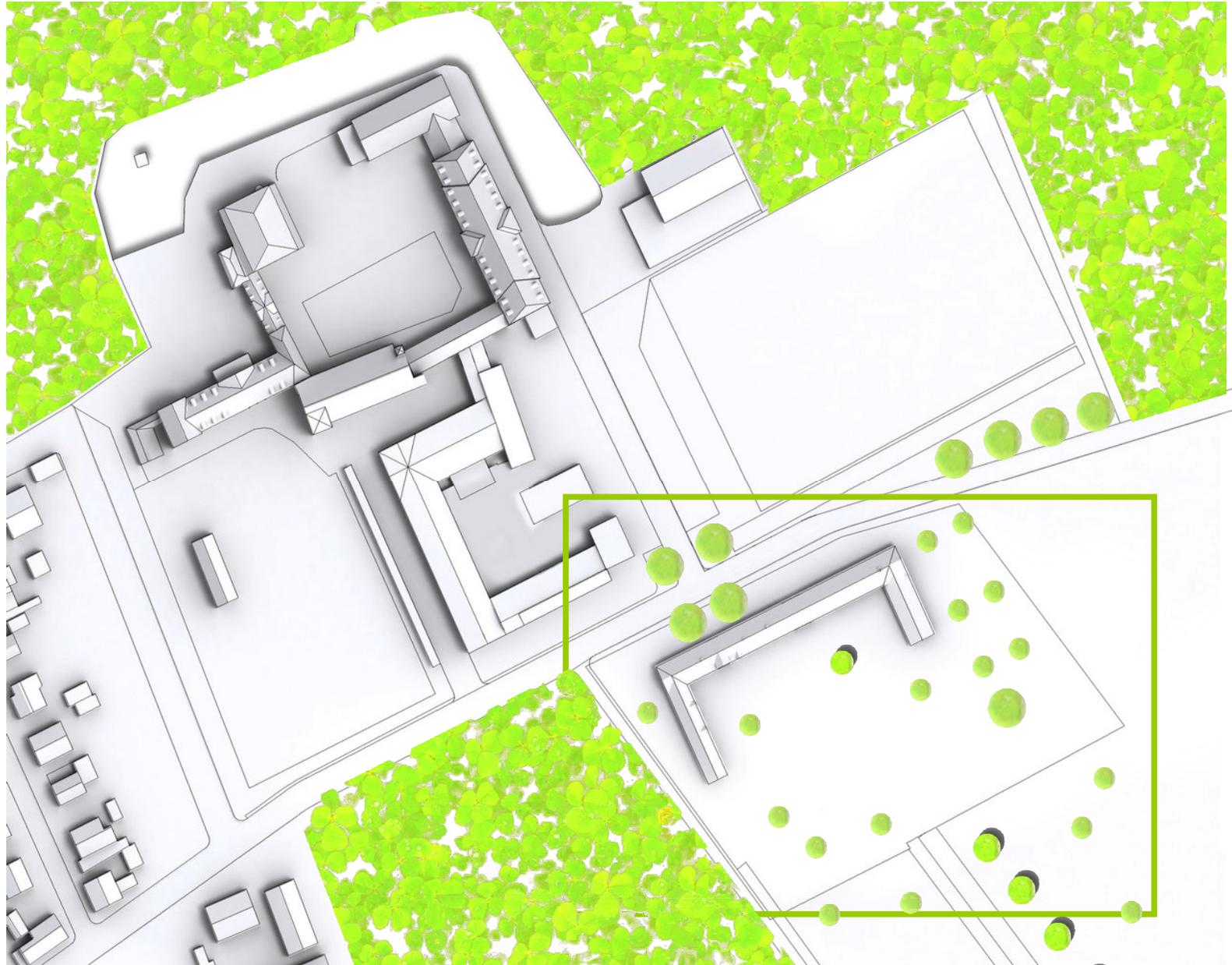
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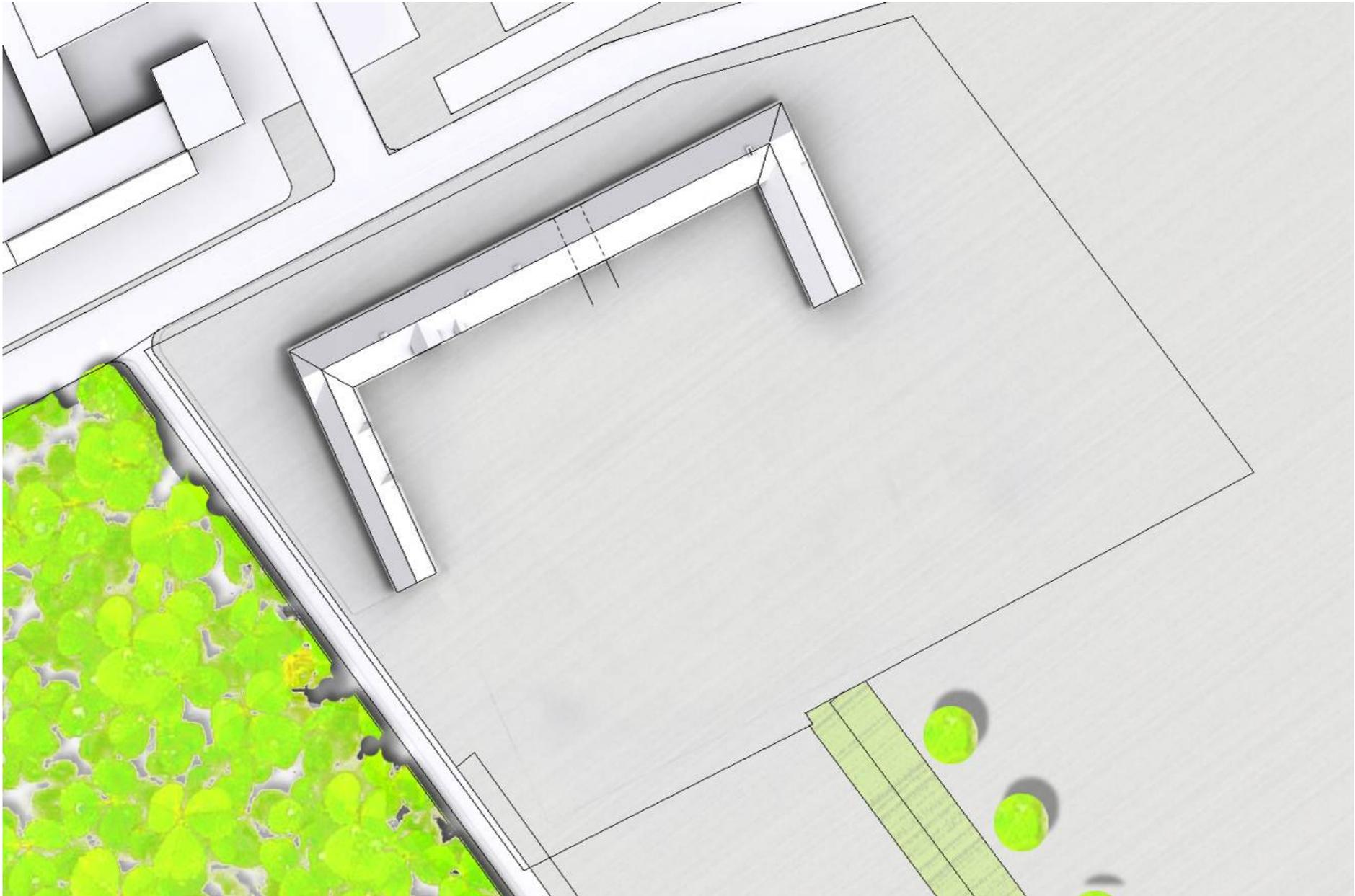
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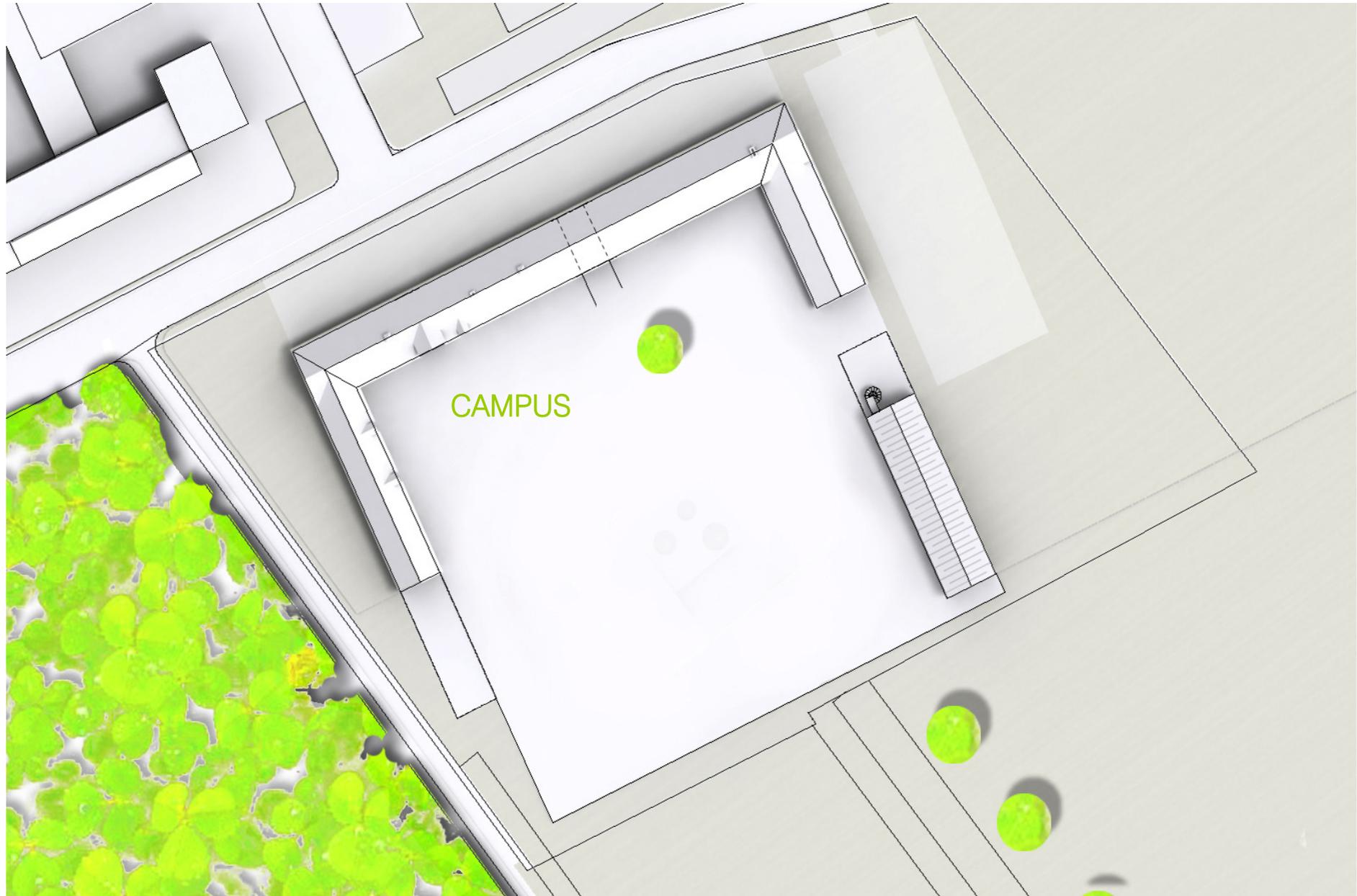


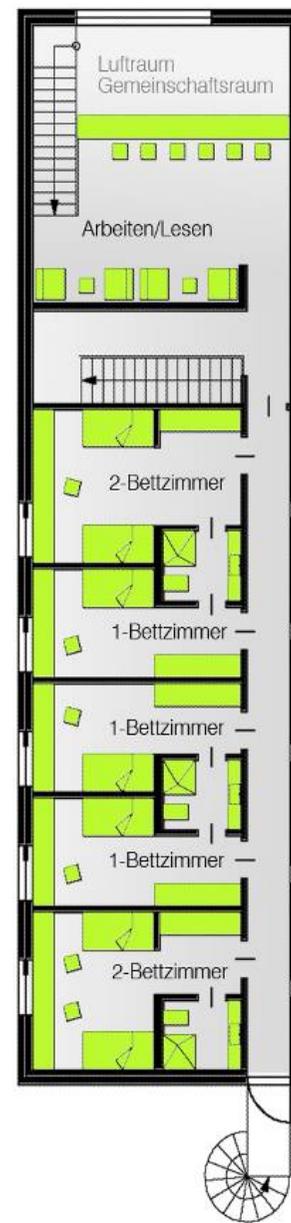
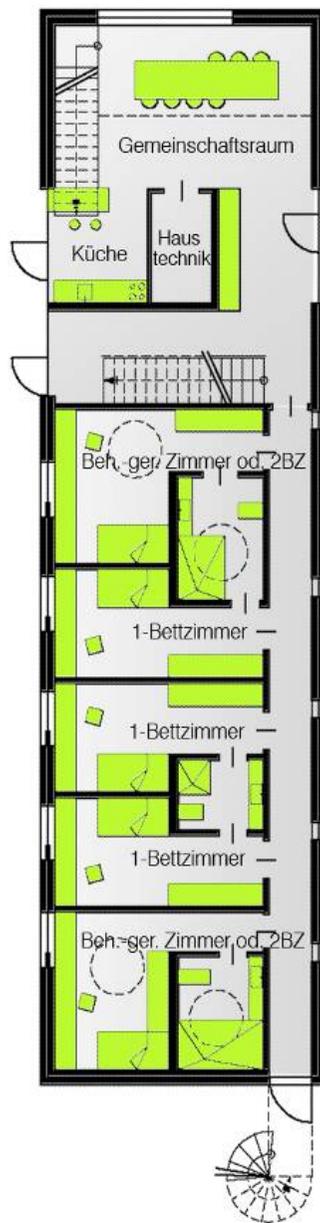




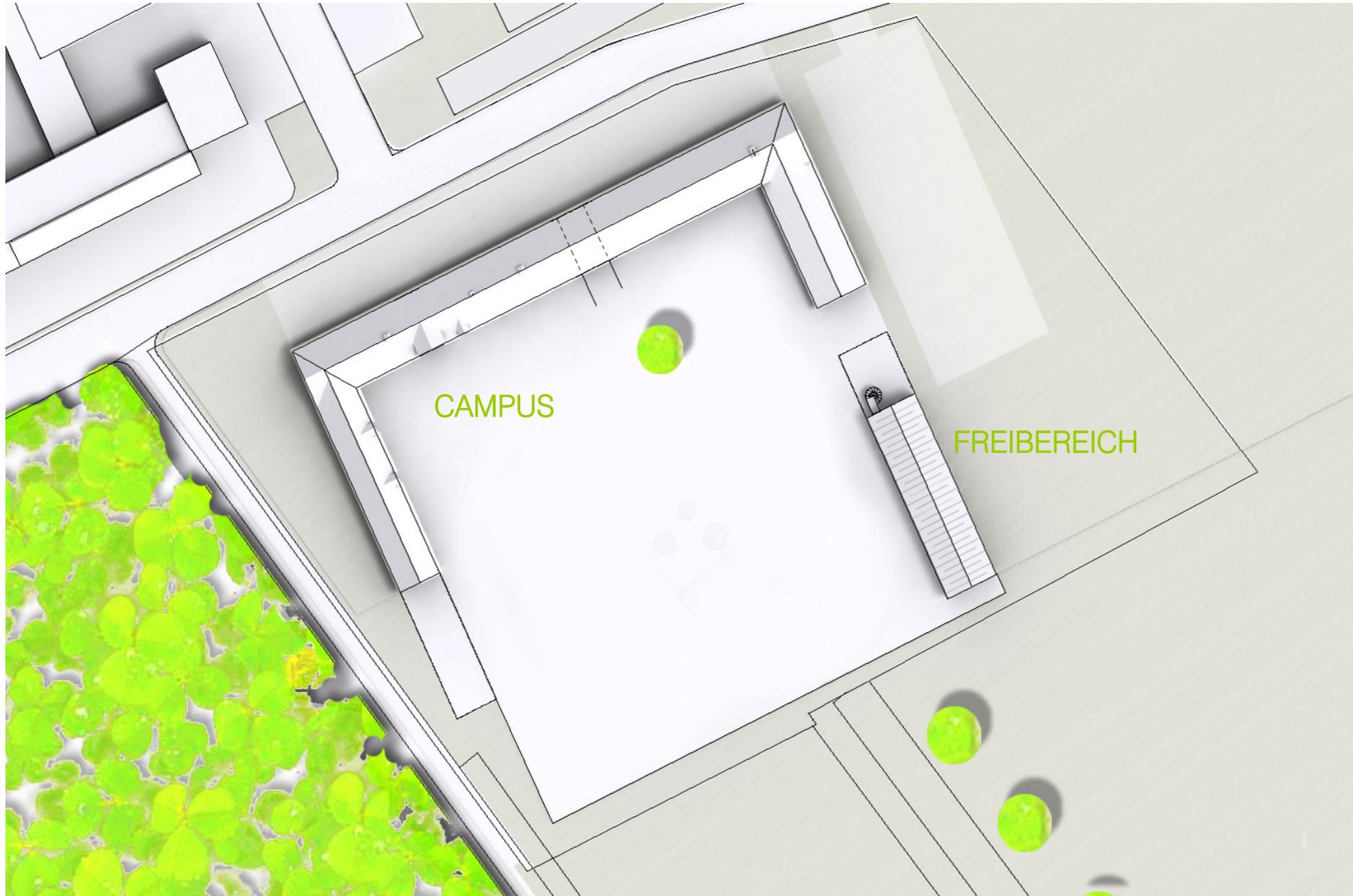


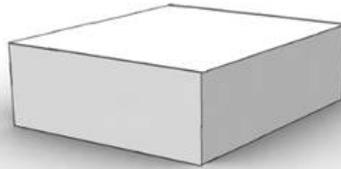




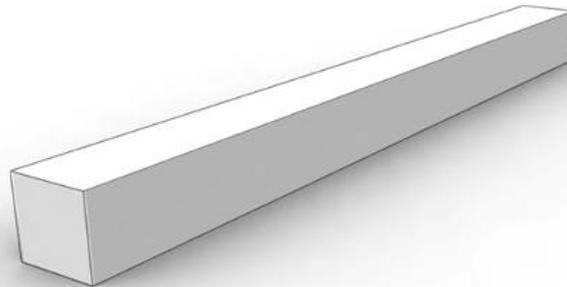




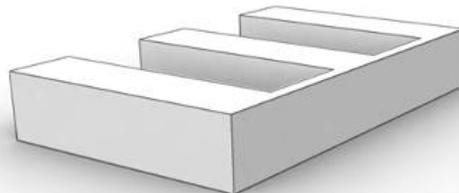




Grundfläche: 100 %
Oberfläche: 100 %

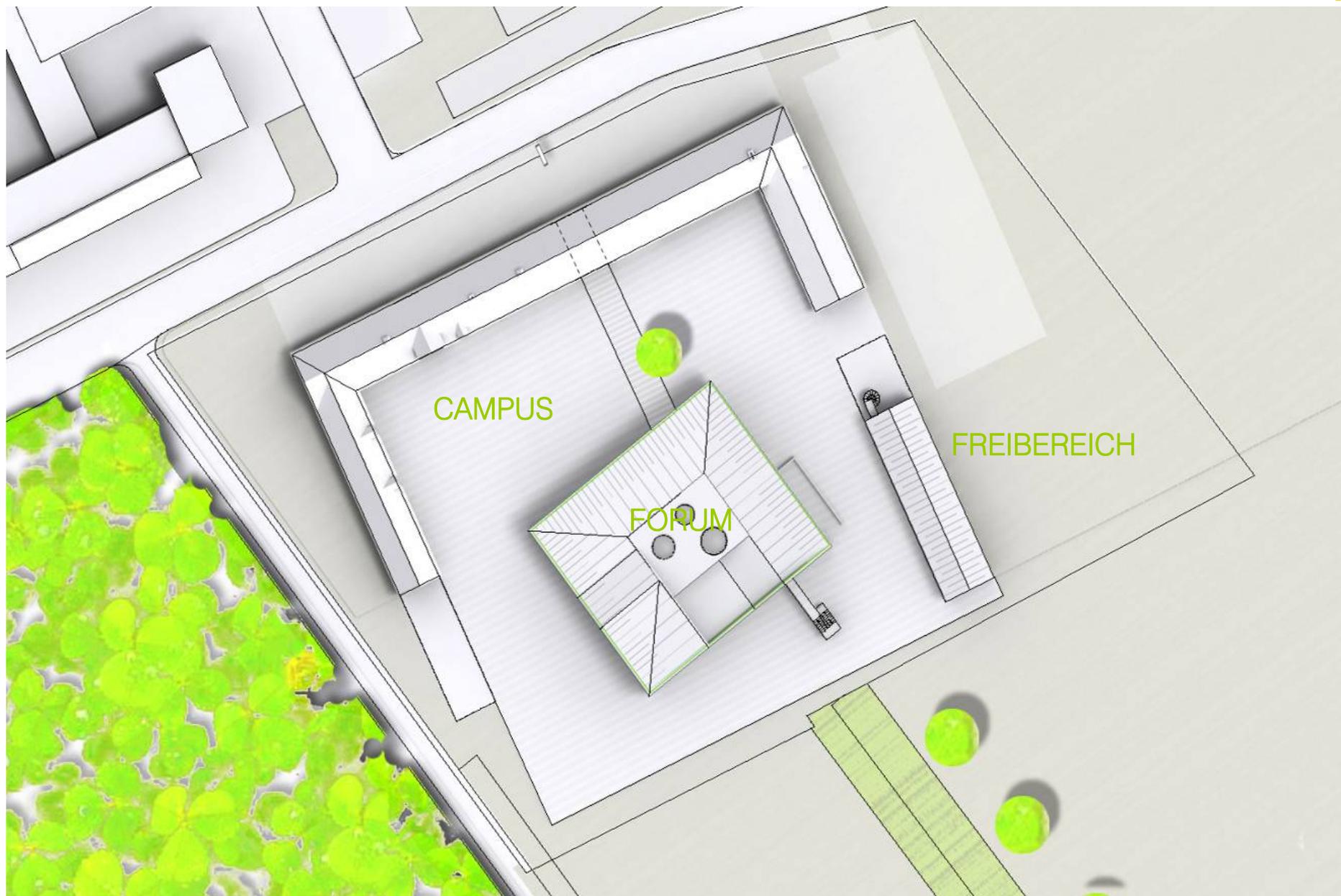


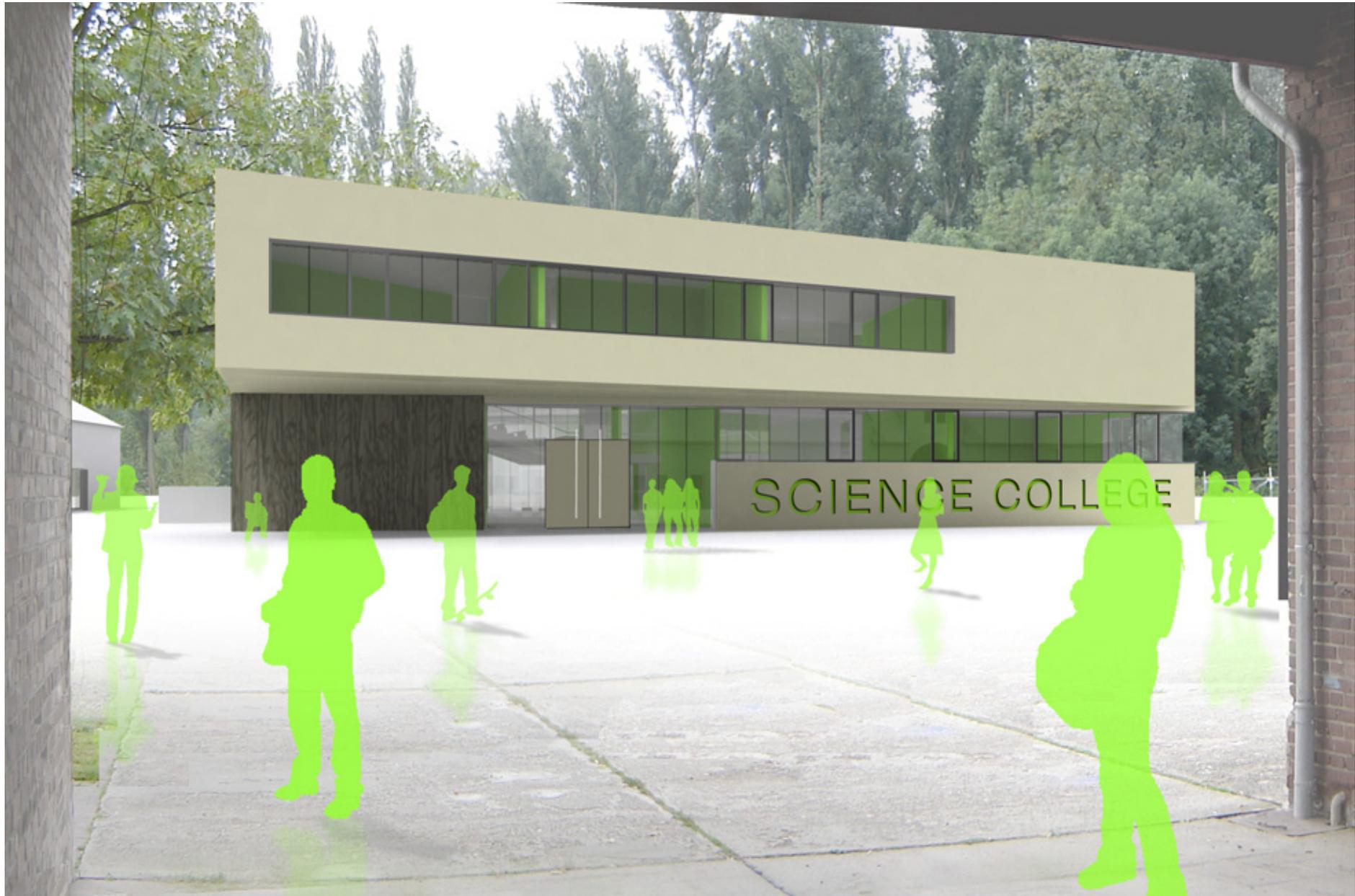
Grundfläche: 100 %
Oberfläche: 135 %



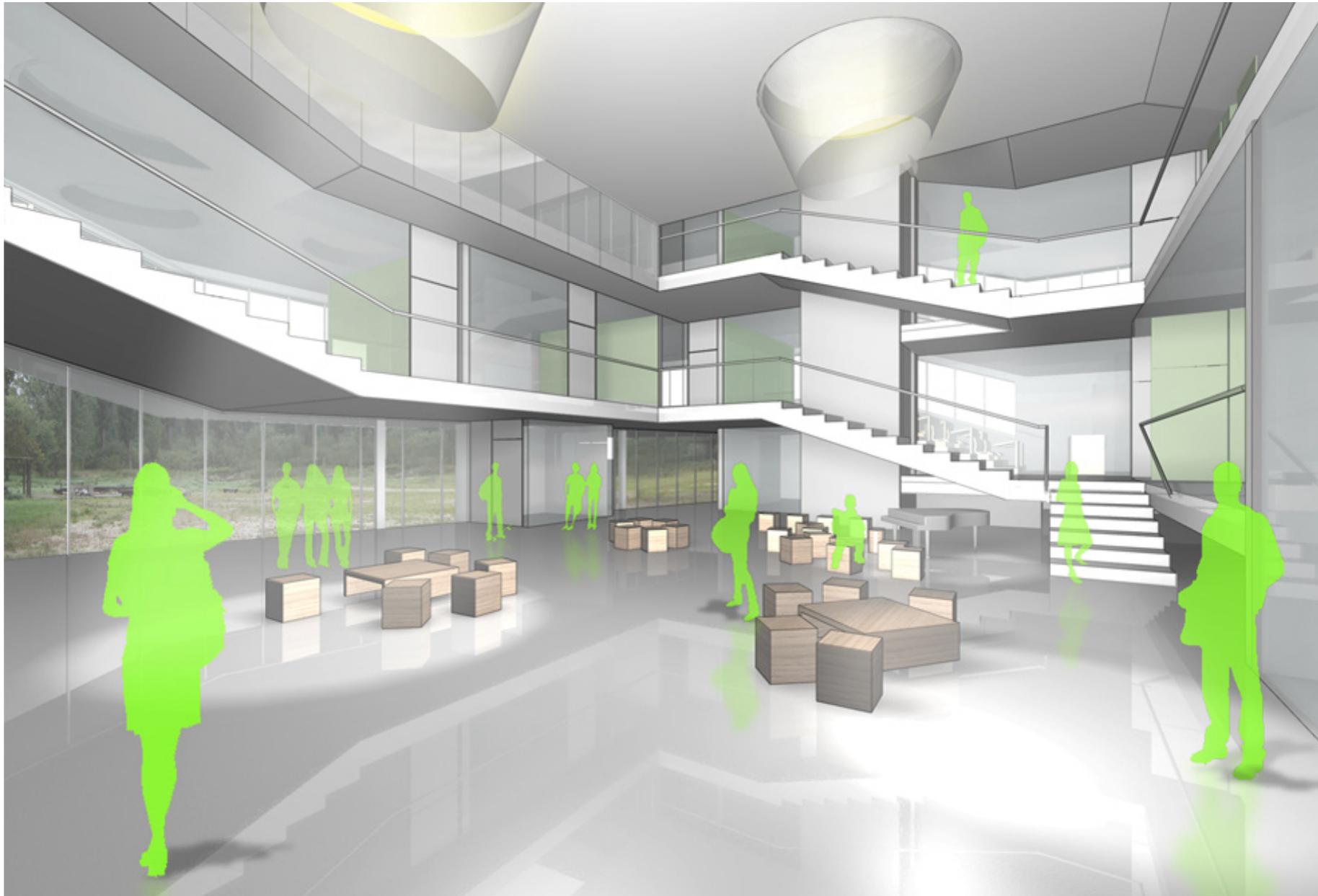
Grundfläche: 100 %
Oberfläche: 150 %



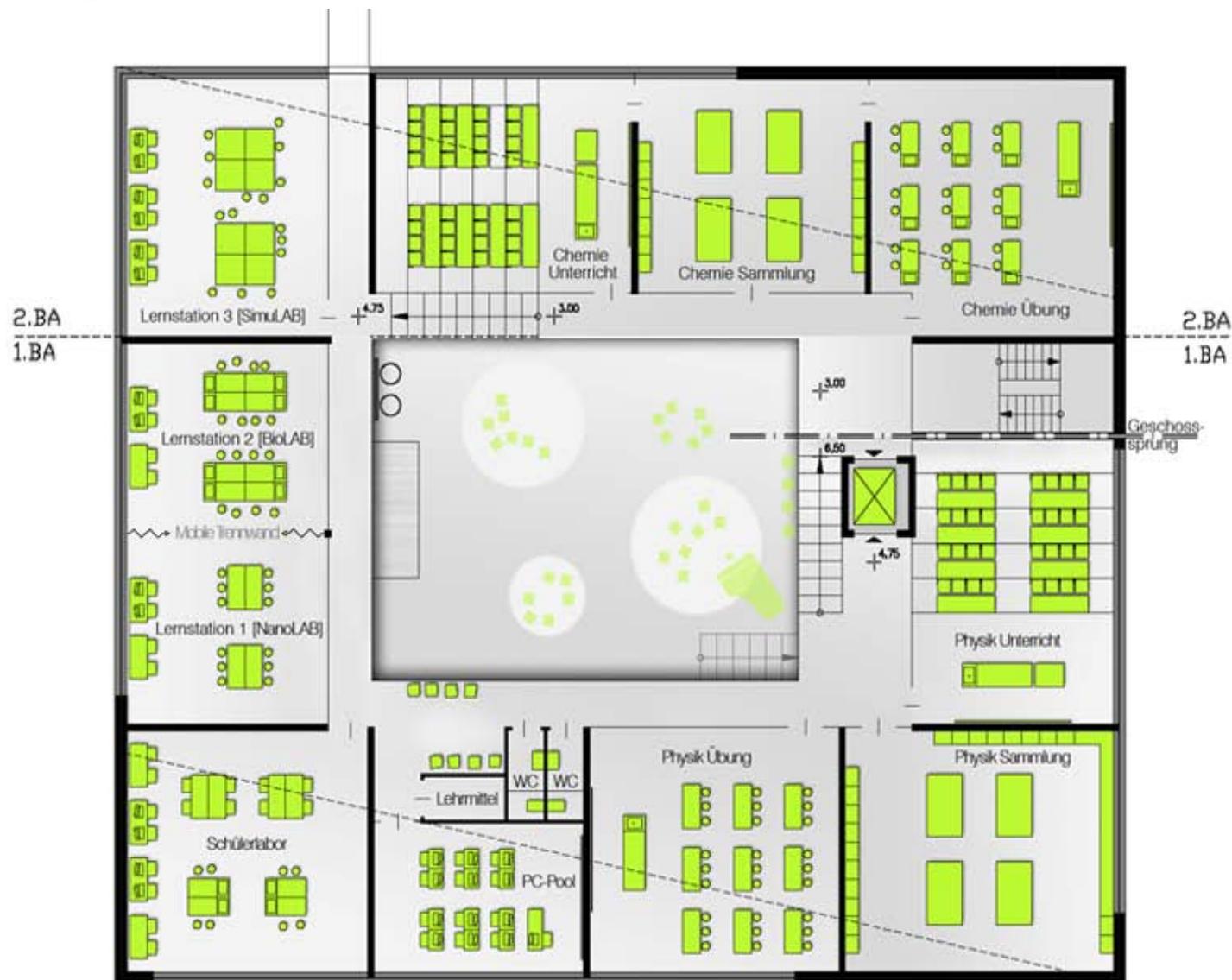


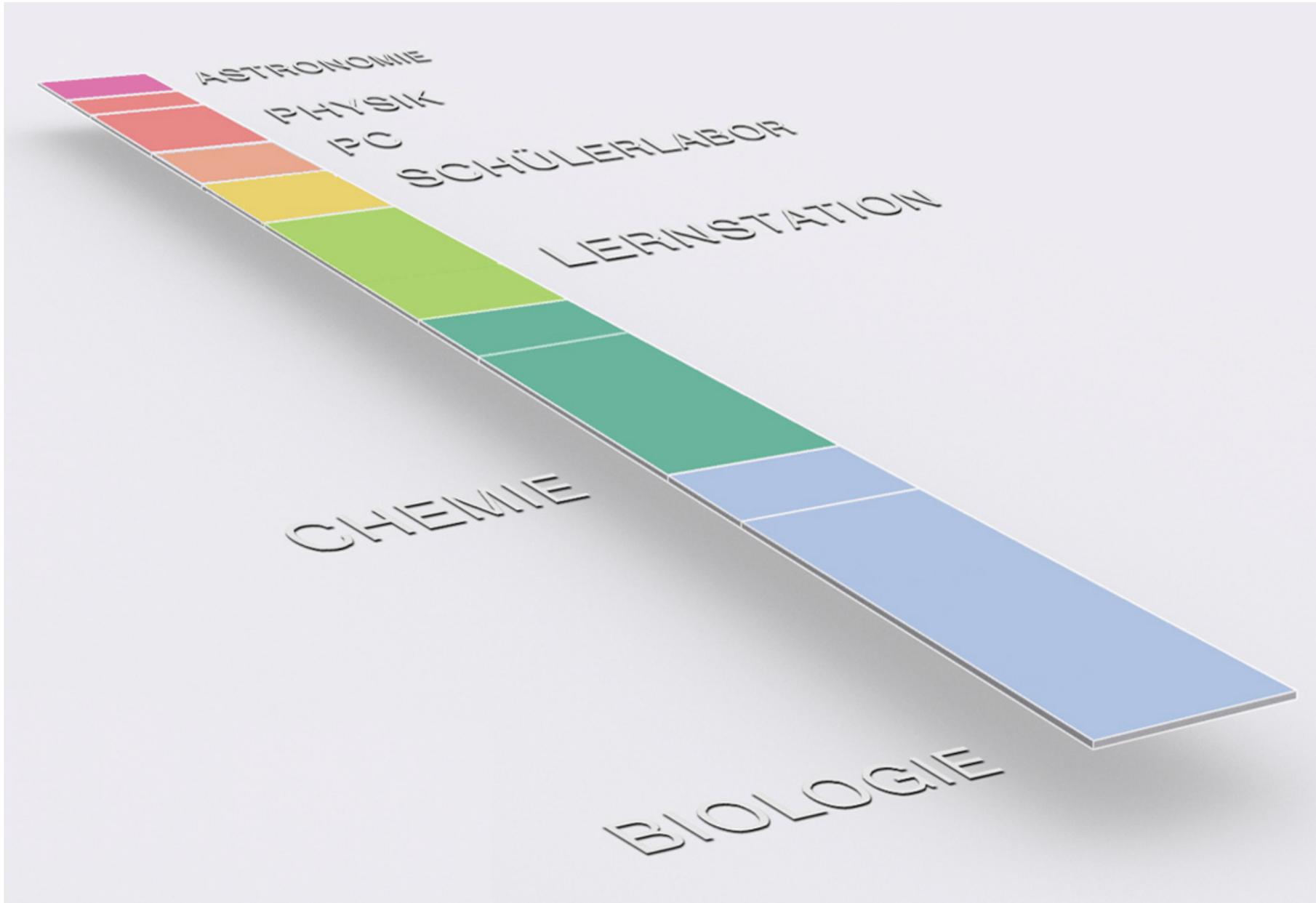


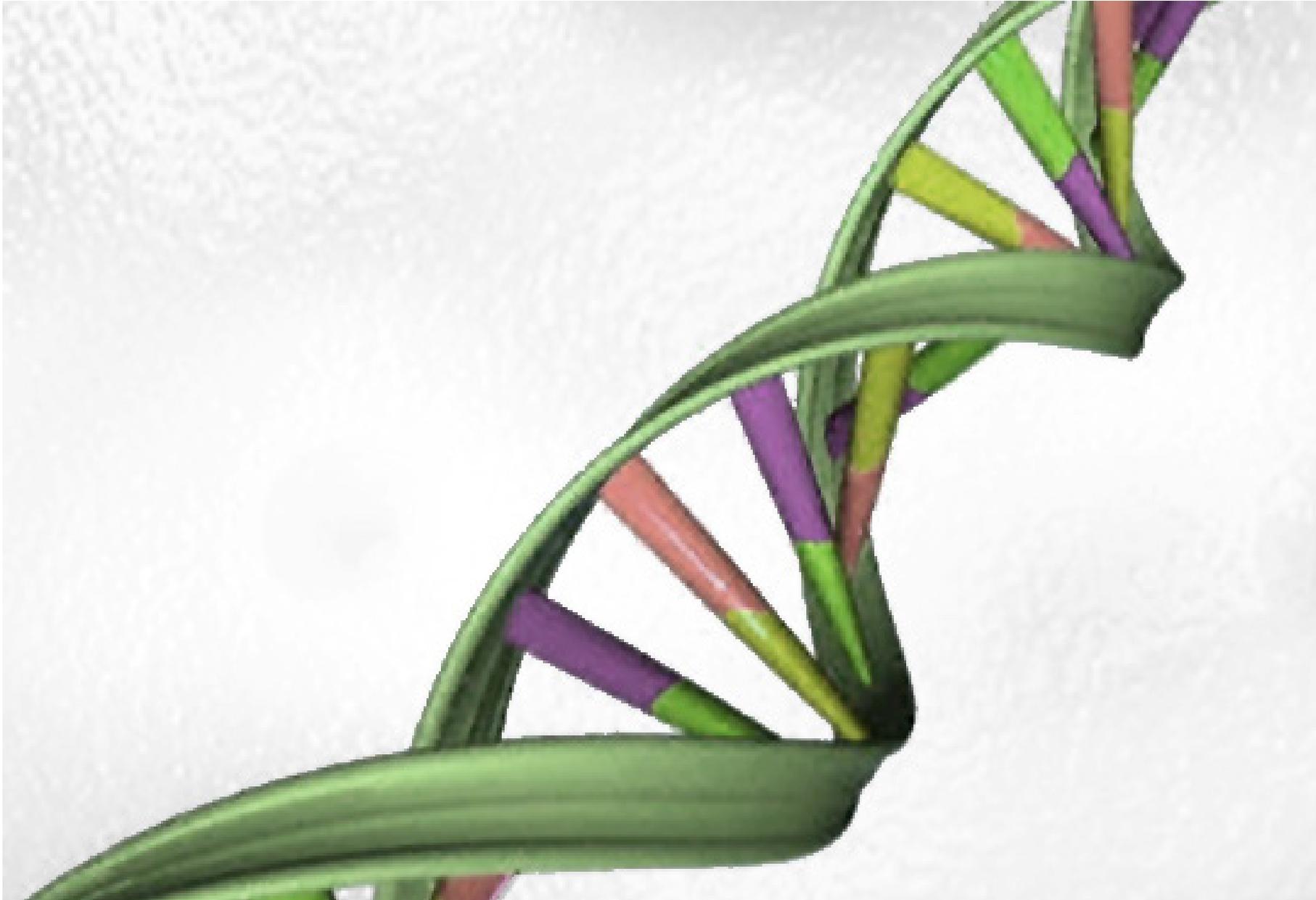


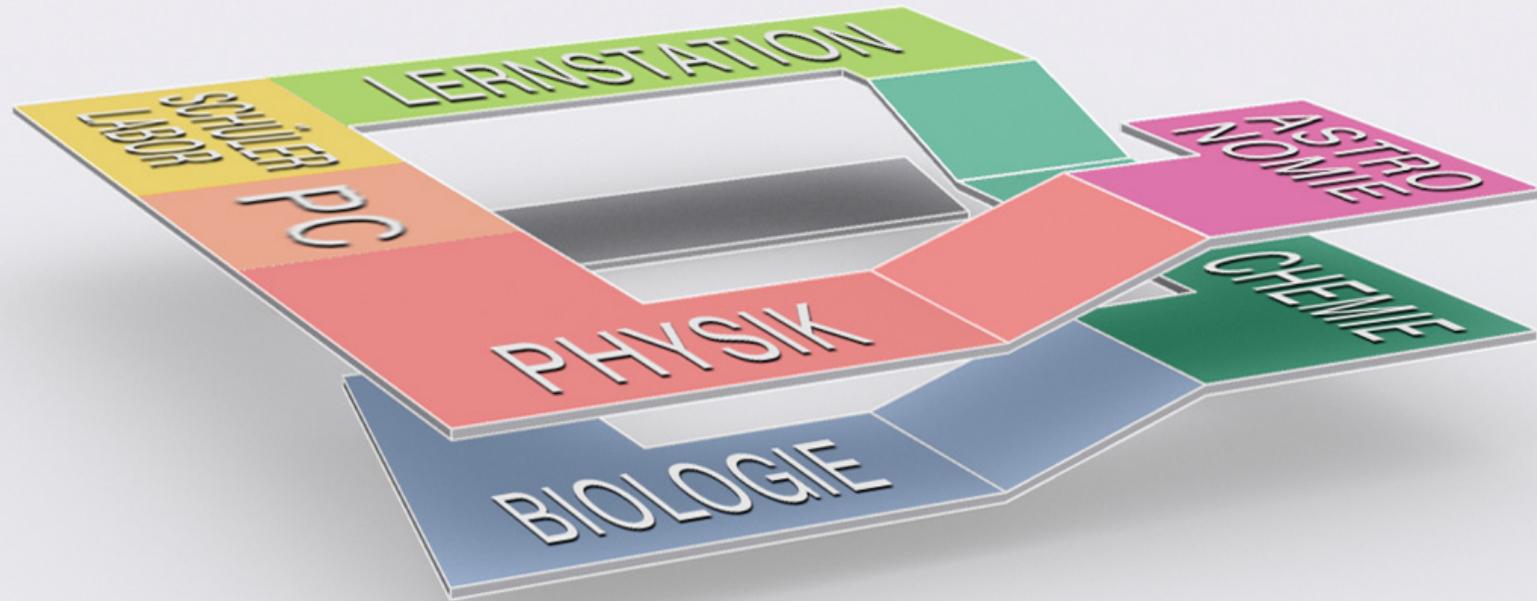


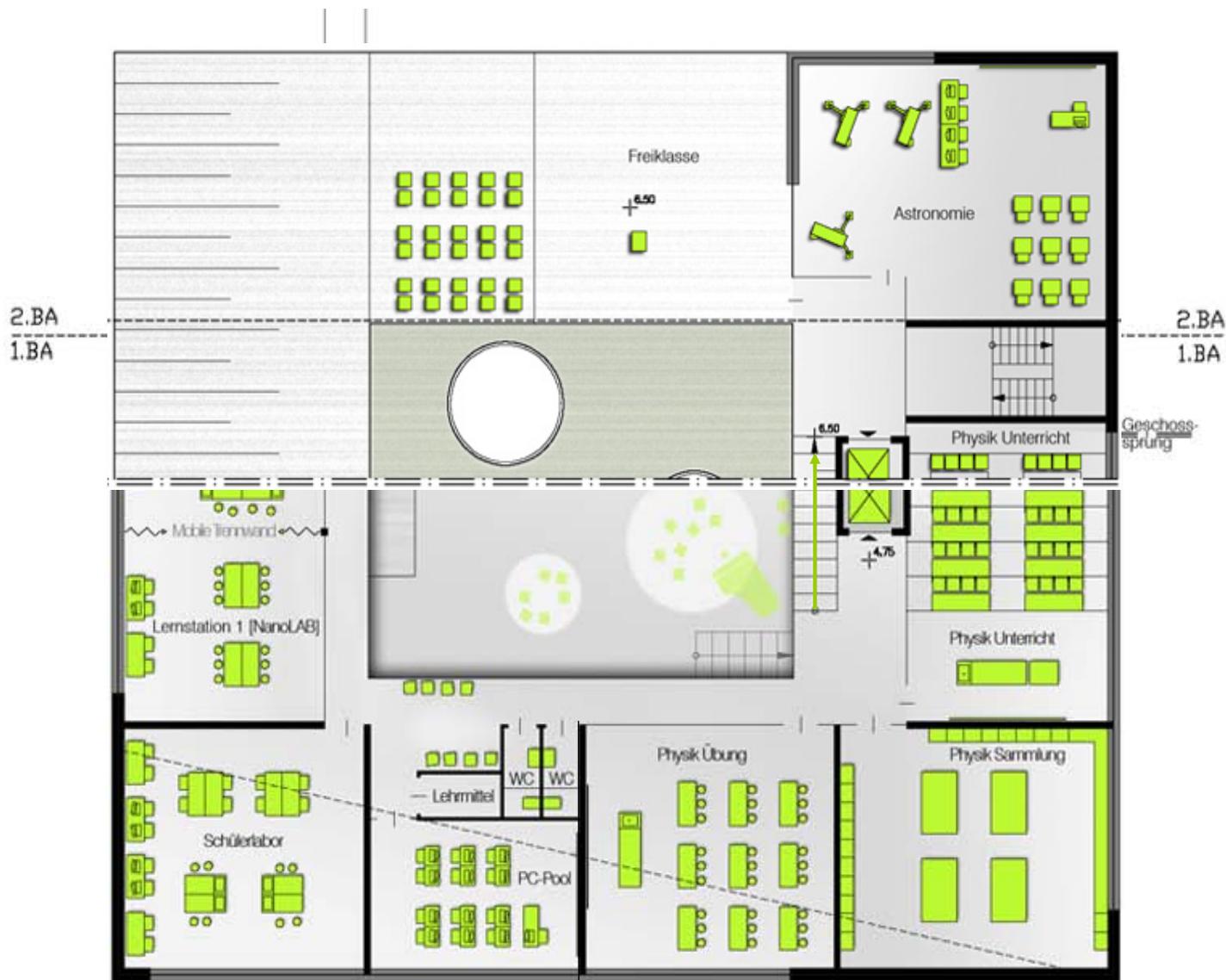


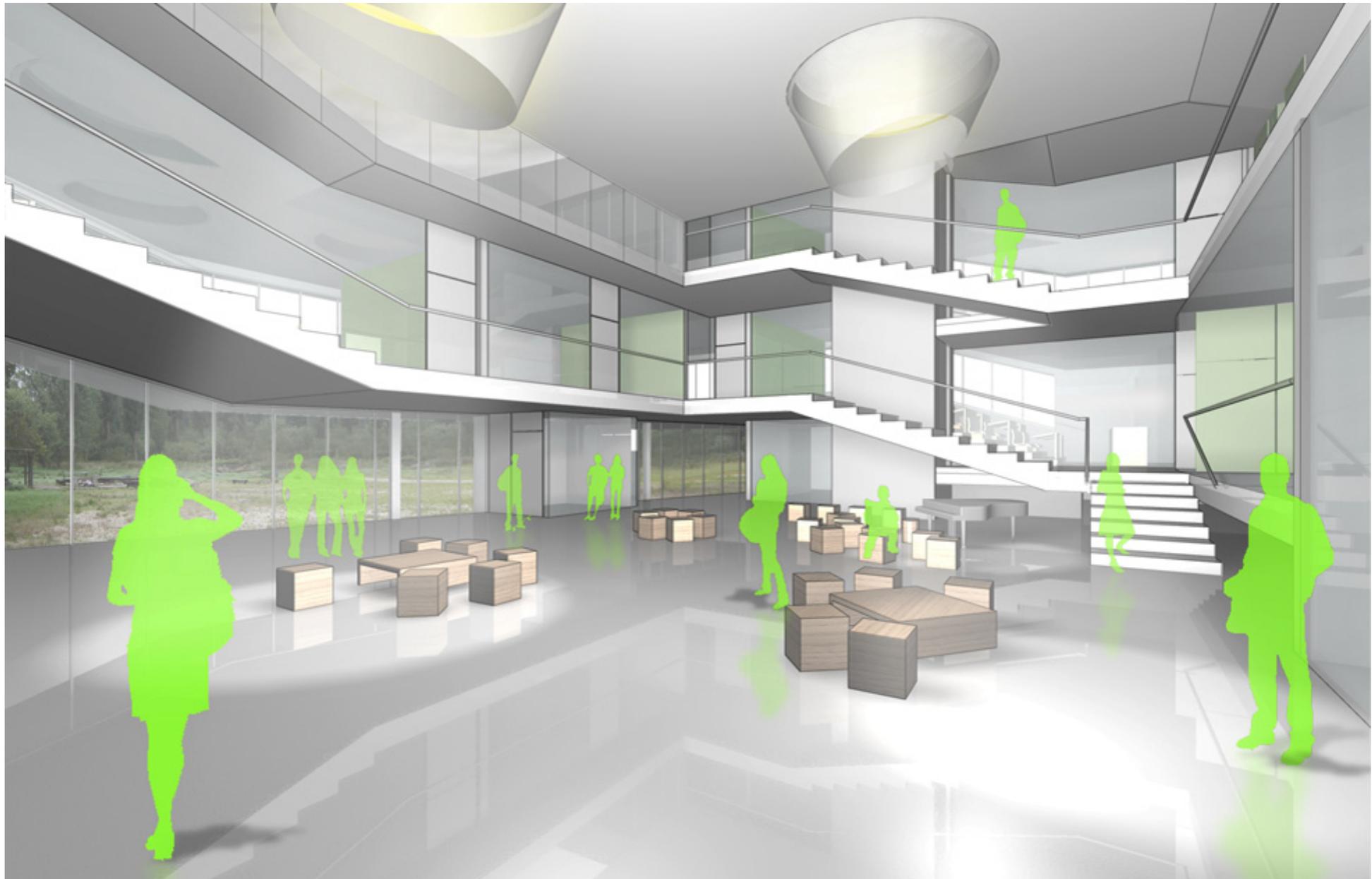
















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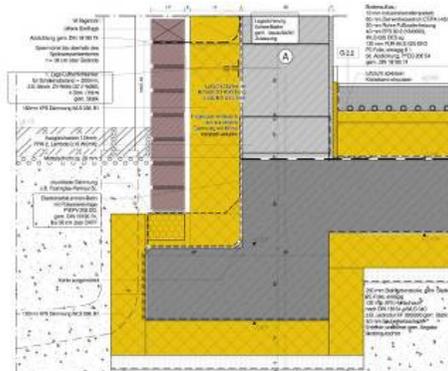
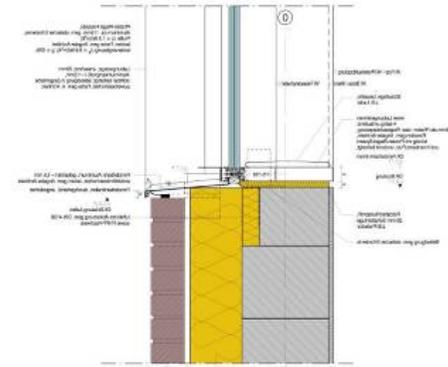
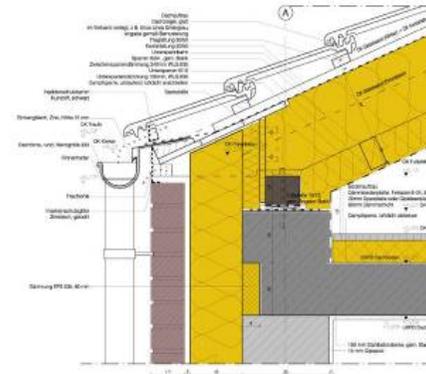
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24 cm WD
Konstruktion
10 cm WD

DETAILS GÄSTEHAUS



Isolierverglasung
 $U_g \leq 0.6 \text{ W(m}^2\text{K)}, g \leq 50\%$
11,5 cm Klinker
18 cm WD
30 cm Porenbeton

Außen

Innen

12 cm PUR
30 cm Stb
12 cm XPS



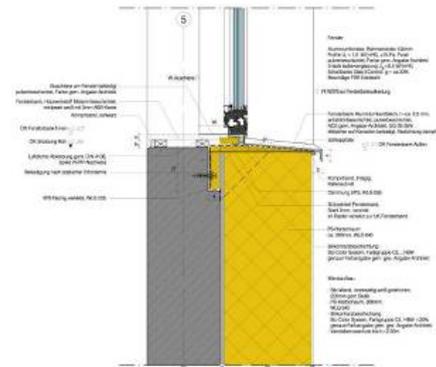
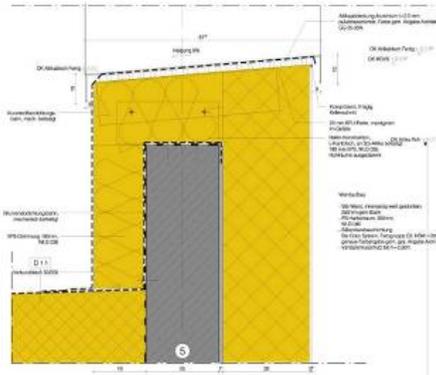


DETAILS SCIENCE COLLEGE

32 cm EPS WD

Trapezblech

Innen



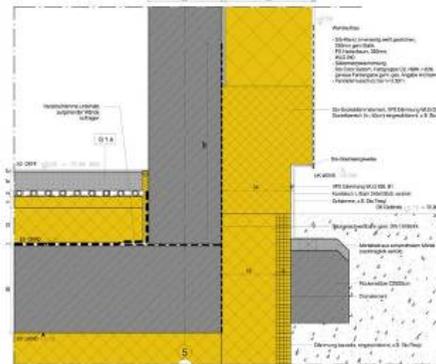
3fach-Isolierverglasung
Schaltbares E-Control Glas
 $U_g \leq 0.5 \text{ W(m}^2\text{K)}$, $g = \text{ca. } 33\%$
25 cm Stb 30 cm PS WD

Außen

16 cm EPS WD

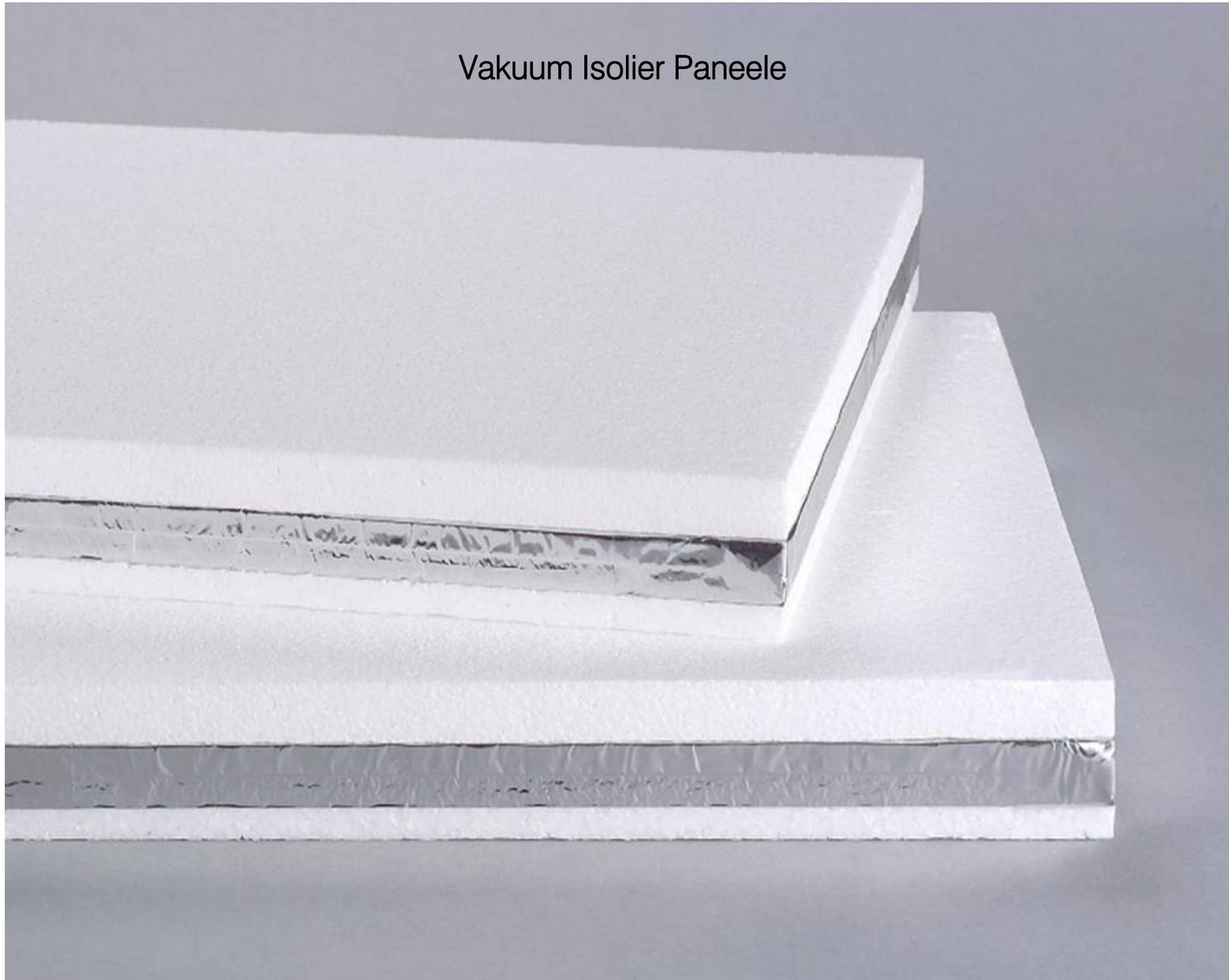
30 cm Stb

12 cm XPS WD



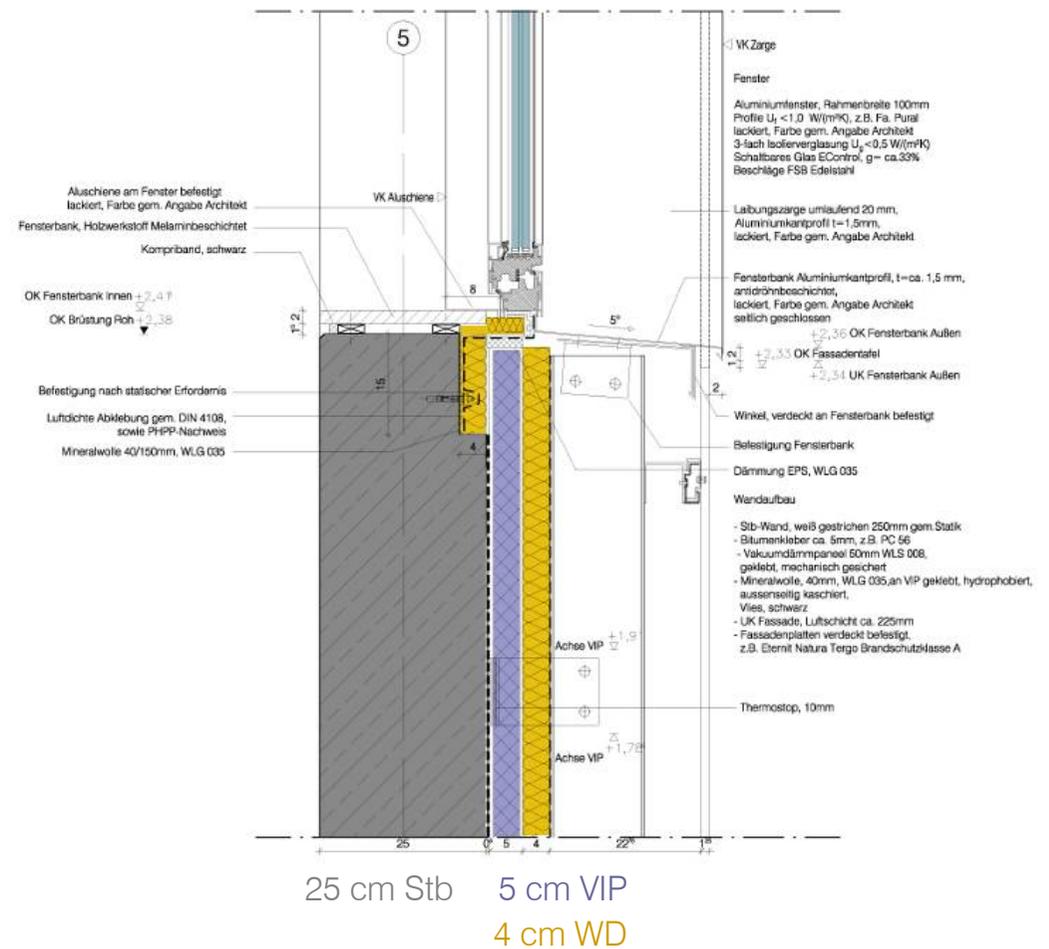
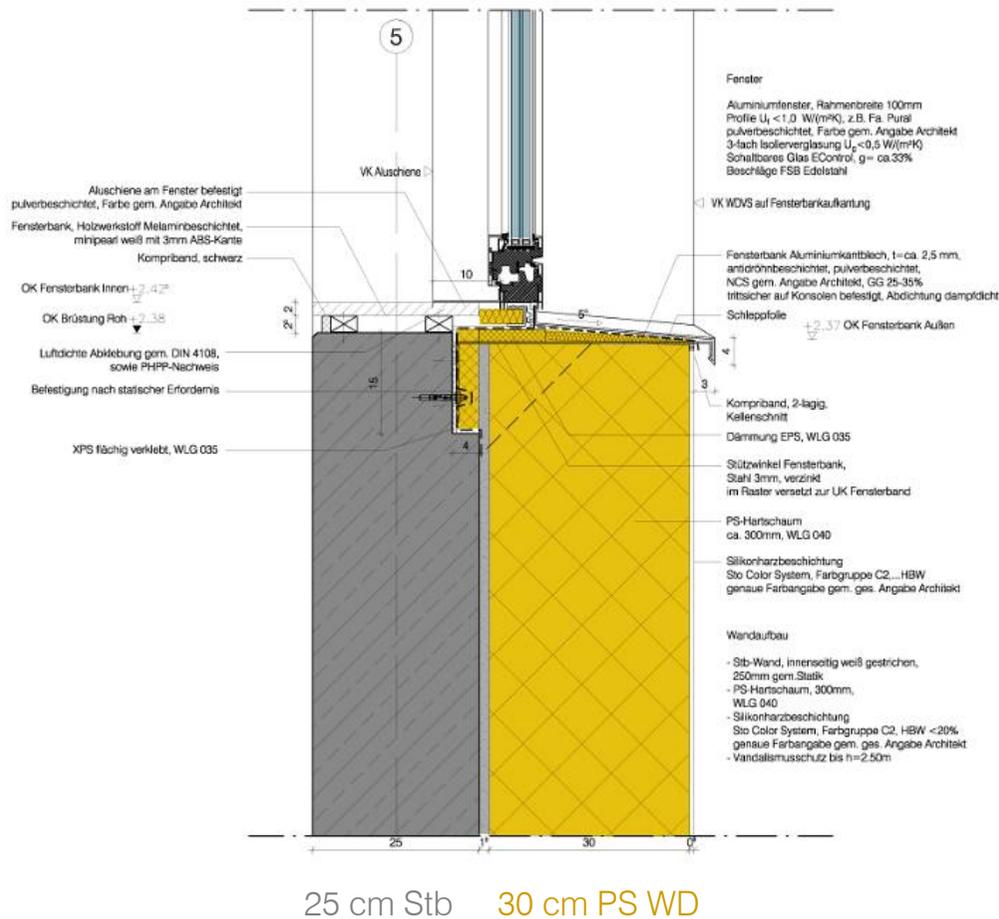


Vakuum Isolier Paneele

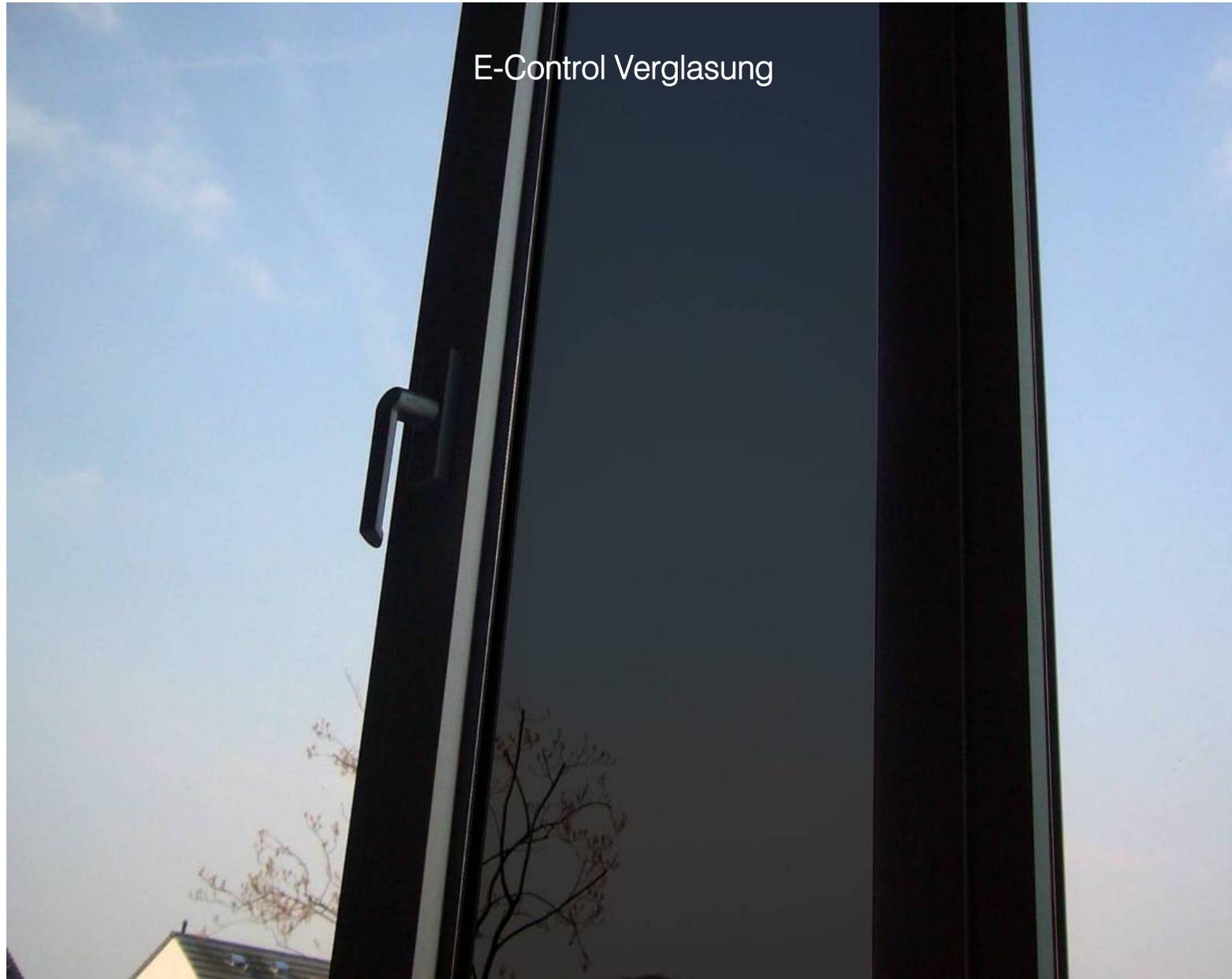




V.I.P.







E-Control Verglasung

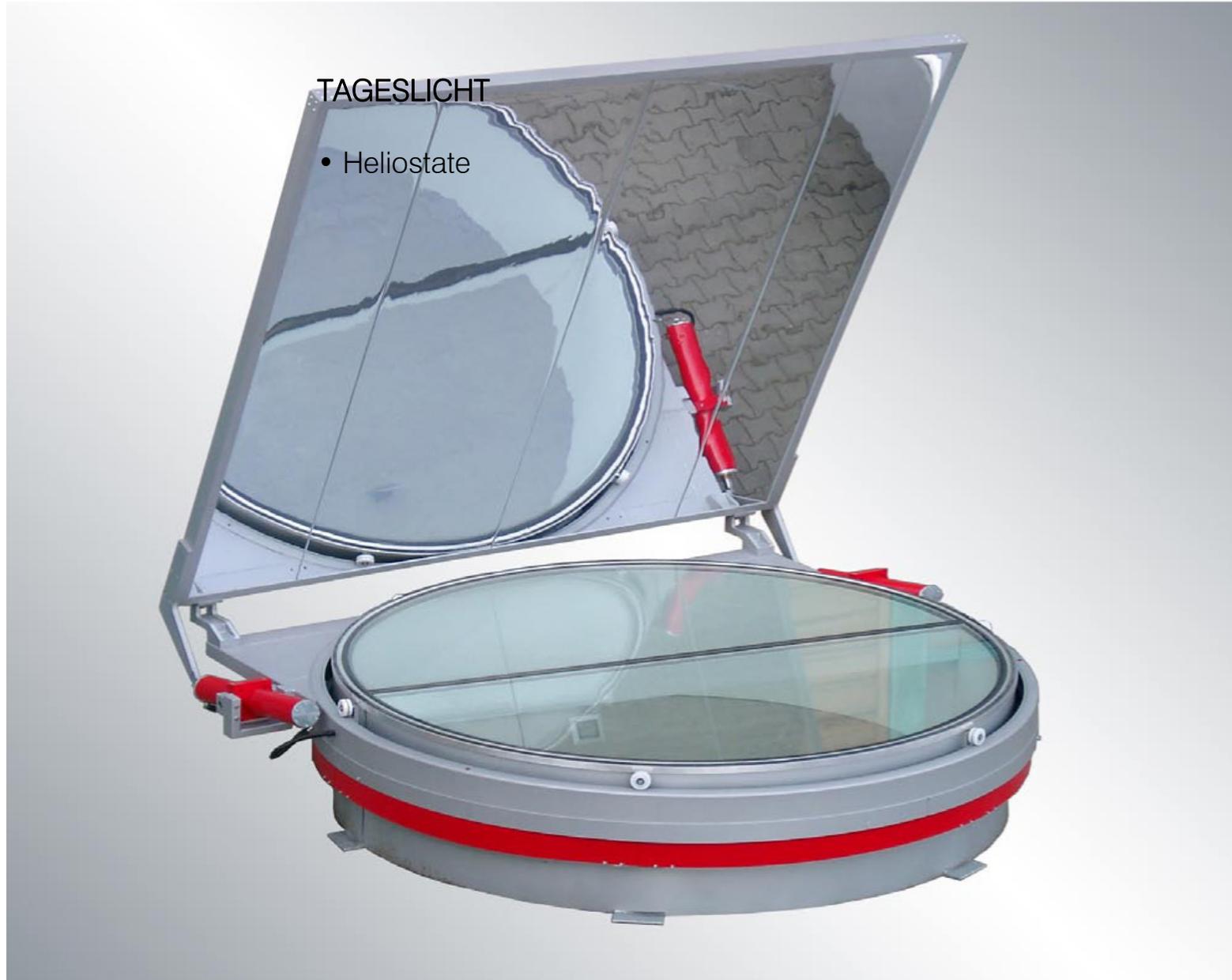




KUNSTLICHT

- Tageslichtabbildende Beleuchtung





TAGESLICHT

- Heliostate





