

# New 7, Mannheim

transformation, mixed-use building block

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planning of a mixed-use urban building block — Mannheim, Germany — 29,000 m<sup>2</sup> — 2026 — Diringer & Scheidel Städtebau GmbH

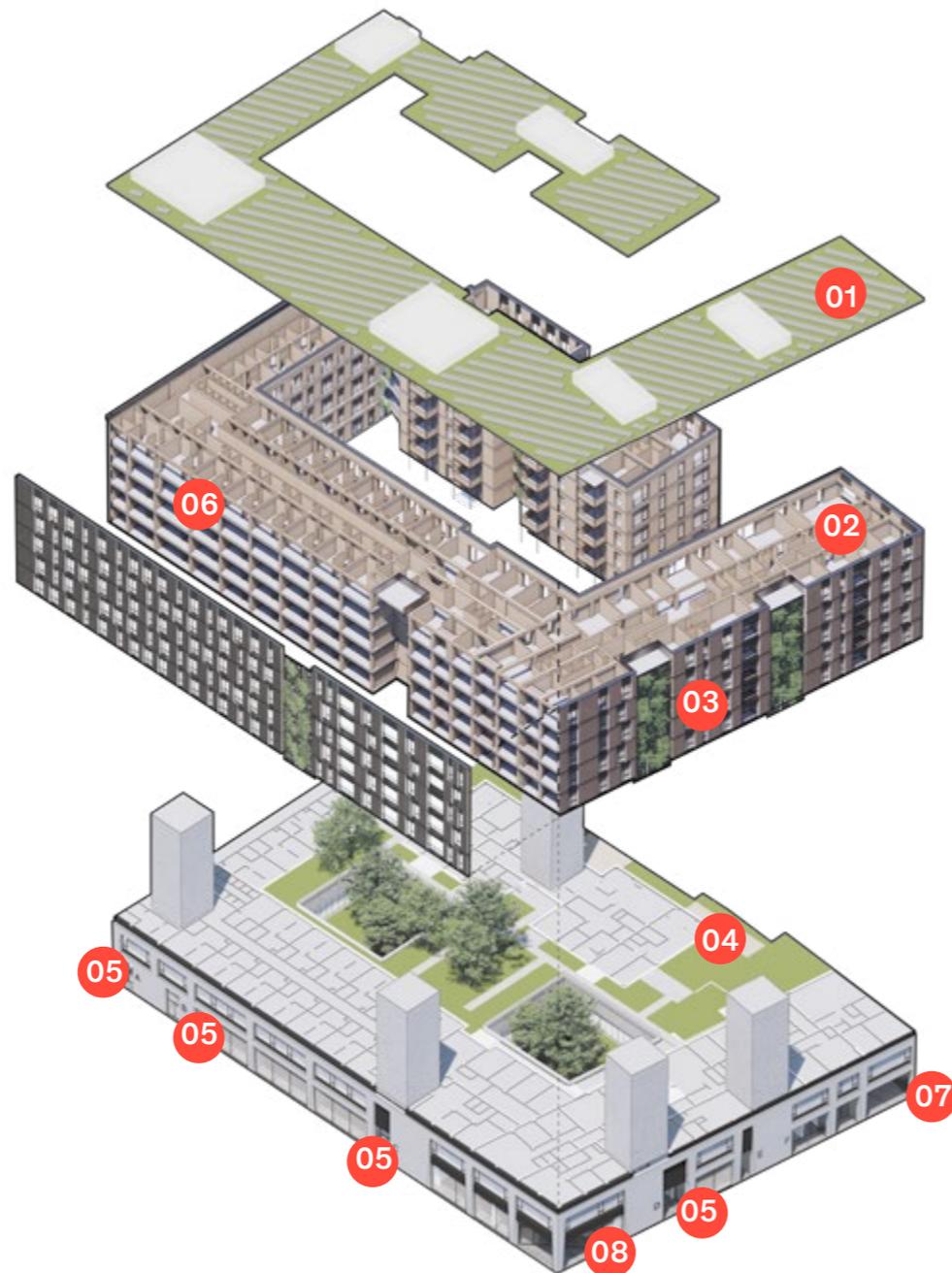


former building



# New 7, Mannheim

transformation, planning, and sustainability concept



- 01 Roof greening
- 02 Modular timber construction
- 03 Vertical garden
- 04 Staircases
- 05 Living access
- 06 Living
- 07 Parking access
- 08 Retail



## Transformation instead of new construction, maximum reduction of grey energy

Preservation of the grey energy of the basement to 1st floor including the existing cores.  
 Above, elevation through timber hybrid structure:  
 → Wood as a CO<sub>2</sub> reservoir  
 → Reduction of the CO<sub>2</sub> footprint of the building by approx. 75%



## Circular building – Cradle to Cradle

Design for disassembly & modular construction.  
 Plug & screw instead of glue.  
 Demountability, separability, recyclability and toxin-free nature of the materials for recycling.



## Modular construction

A maximum degree of prefabrication ensures the shortest possible construction time.  
 Reduces noise pollution and increases efficiency.



## Reduction of the energy demand in operation

Photovoltaic system on the roof – electricity is used to power the building and to charge the e-bikes and cars.  
 Monitoring in the building to reduce energy consumption in operation.  
 Economical building operation – BEG 40 standard.



## Green roofs, facades and courtyards

Improvement of the urban climate.  
 Retention roof for rainwater storage.  
 Improving the microclimate in the street space and courtyard.

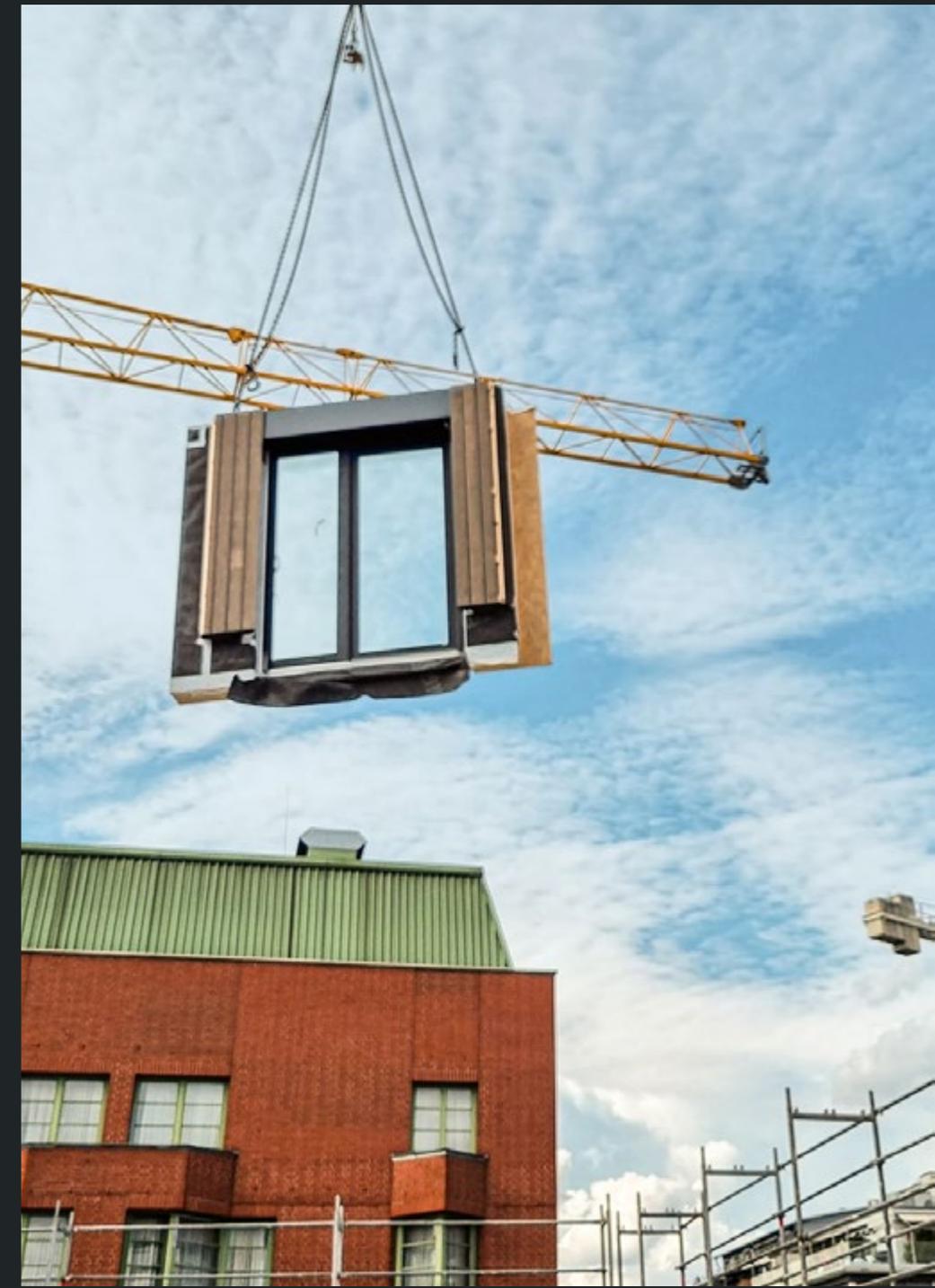
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construction site, timber hybrid construction



# New 7, Mannheim

construction site, modular timber elements



# New 7, Mannheimw

view façade, detail and courtyard



**thank you.**