VISION BECOMES REALITY

Planning Mannheim’s new energy-efficient Glückstein-Quartier

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CASCADE study visit
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GLÜCKSTEIN-QUARTIER
FACTS AND FIGURES

1.
MODEL SIMULATION
URBAN PLANNING
DESIGN

Total area        330,000 sqm
Building plots   100,000 sqm
Completed         36,000 sqm
To be developed   64,000 sqm

Glückstein-Quartier – Facts and Figures

DEPARTMENT IV | PLANNING, BUILDING, TRAFFIC, SPORTS | PROJECT COORDINATION GLÜCKSTEIN-QUARTIER
USE OF BUILDINGS *

Offices, services, science 169,000 sqm
750 new apartments 91,000 sqm
Green space and open areas 29,000 sqm
Dining and culture 2,000 sqm

* Gross Floor Area
THE OBJECTIVES FOR THE PROJECT

• Integrated urban district (no „retort“)
• A mix of office, services, science and residential uses
• Some thousand workplaces and 1,500 habitants
• High quality standards of urban planning / architectural competition for each new building
• Attractive green spaces
• High climate protection standards (own climate protection guidelines of the City of Mannheim)
• Endangered species protection (e. g. relocation of wall lizards)
2. CLIMATE PROTECTION MEASURES
The following standards are included in the land sale contracts between the City of Mannheim and the building owners:

- Energetic standards:
  The current national standards “EnEV 2009” have to be exceeded by at least 30% (primary energy consumption and transmission heat losses)

- All new buildings must be connected to district heating

- Innovative district heating-system using the return of the grid
  (supply: 70º C, return: 40º C)

- Highly efficient cooling machines

Other requirements (land-use plan)

- All roofs have to be greened
PUBLIC MULTI-STOREY PARKING

- ca. 700-800 parking spaces
- 50 bike parking spaces
- Charging stations for electric cars
- solar panels on the top of the roof
- extensive roof greening
- direct walkway for pedestrians to the central railway station
Approx. 420 new trees will be planted
ATTRACTION
GREEN SPACES

The Hanns-Glückstein-Park will be extended from 1.2 to 2.2 hectares.
THANK YOU FOR YOUR ATTENTION

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Planning, Building, Traffic, Sports

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