

European Plaza Kiev (Ukraine)



Overview

The „European Plaza“ project which includes a hotel, an apartment tower and a shopping center with underground parking, forms part of the redevelopment of „Europe Square“ in Kiev.

Above ground, the tower extends over 42 floors to a height of around 160 m. The entire building stands on up to four underground floors.

The four underground floors, which are used as part of the shopping center and for underground parking, extend under Europe Square and parts of the adjacent boulevards.



Cross-section



Photo-realistic representation

Under Ukrainian construction law, this project was classified as an “experimental building” to which the current Ukrainian norms do not apply. In order to obtain planning permission, the structural design was agreed separately with the local authorities.

The tower is stiffened by a reinforced concrete core which was investigated and designed using dynamic analysis methods. The stiffening of the construction pit was planned using the top-down method. Here it was necessary to take into account the construction methods that are technically feasible and have been tested in the Ukraine.

Owner

GRAAL Investments, Kiev

Client

Ost-West-Consulting,
Düsseldorf

Architect

Eller + Eller, Düsseldorf
BIP PM, Kiev
Architect Paschenko, Kiev

Construction period

Planned to start in 2009

Construction costs

Ca. 250 million EUR

Planning period

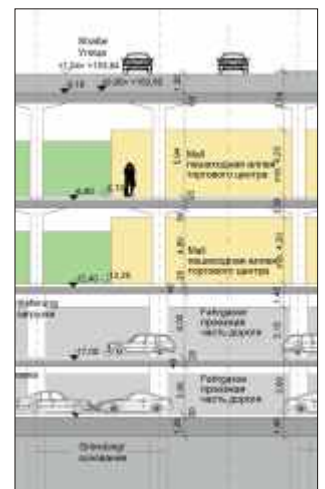
January 2008 - July 2009
(expected)

Project data

- Gross volume: ca. 840,000 m³
- Gross floor area: ca. 200,000 m²
- Parking spaces: ca. 1,100

Krebs und Kiefer services

- Structural design up to and including design planning
- Top-down construction method



Partial cross-section:
shopping center