

# Ohligsmühle, Wuppertal



## A highlight of modern office architecture

The imposing new building was erected in the centre of Wuppertal-Elberfeld, right next to the Ohligsmühle suspension railway stop and is a new highlight of modern office architecture. The bright, six-storey building consists of offset building wings, with open, leafy courtyards. The building envelope basically comprises punch windows with exterior sun blinds. So-called monitor façades were designed as a curtain wall on the front of the building.

The project, called the new „Ohligsmühle“, provides for a usable area of about 14,000 m<sup>2</sup>. The building concept takes into account the standards stipulated by the German Sustainable Building Council (DGNB), which means that resources are used efficiently. Thus the energy consumption of this building is roughly 50 % less than that of a conventional office building of this size.



*Punctuated façade viewed from the south/east*

### Client:

bema Invest GmbH, Düsseldorf

### Employer:

Kondor Wessels West GmbH, Wuppertal

### Planning Architect/Site Supervision:

BM + P Architekten, Düsseldorf

### Installation Time:

7 months

### Extent of Work:

Design, production, delivery and installation of the façade types and constructions mentioned below.

### Façade Area & Quantity:

6,000 m<sup>2</sup> windows (1,150 pcs)

500 m<sup>2</sup> unitised façade (so-called „monitor façade“ - 120 pcs)

### Glass:

Double glazed unit (DGU):

$L_T$  -value:  $\geq 77$  %

Solarfactor (g-value):  $\leq 58$  %

$U_g$  -value:  $\leq 1,1$  W/(m<sup>2</sup>K)

Sound reduction value:  $\geq 44$  dB

### Surfaces:

High durable polyester powder coating (PPC), RAL 9011

### Façade Handover:

January 2013



*Overall view from the south/west*



*West view of monitor façades*