

## Exzenterhaus Bochum



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### Facts

|                      |                                       |
|----------------------|---------------------------------------|
| Official Name        | Exzenterhaus Bochum                   |
| Structure Type       | Building                              |
| Status               | COM                                   |
| Country              | Germany                               |
| City                 | Bochum                                |
| Street Address & Map | <a href="#">Universitätsstraße 60</a> |
| Postal Code          | 44789                                 |
| Building Function    | office                                |
| Structural Material  | concrete                              |
| Construction Start   | 2009                                  |
| Completion           | 2013                                  |

### Figures

|                       |   |
|-----------------------|---|
| Height: Architectural | 88.6 m / 291 ft                                 |
| Height: Occupied      | 79.5 m / 261 ft                                 |
| Height: To Tip        | 90.5 m / 297 ft                                 |
| Height: Observatory   | 83.5 m / 274 ft                                 |
| Floors Above Ground   | 25  |
| Floors Below Ground   | 1   |
| Tower GFA             | 10,400 m <sup>2</sup> / 111,945 ft <sup>2</sup> |
| Development GFA       | 12,450 m <sup>2</sup> / 134,011 ft <sup>2</sup> |
| # of Parking Spaces   | 120   |

### Companies Involved

|                     |  |
|---------------------|--|
| Owner/Developer     | Exzenterhaus Bochum GmbH & Co. KG  |
| Architect           | Gerhard Spangenberg  |
| Structural Engineer | Drees & Sommer Advanced Building; GuD Planungsgesellschaft für Ingenieurbau mbH; <a href="#">Schlaich Bergermann und Partner</a> |
| MEP Engineer        | HHP Nord / Ost; Ing. Büro Landwehr GmbH; Kleinmann Engineering GmbH  |
| Project Manager     | Arte-Baumanagement GmbH  |
| Other Consultant    | <a href="#">Wacker Ingenieure</a>  |
| Material Supplier   | FKN - Fassaden GmbH & Co. KG   |

### About Exzenterhaus Bochum

The Exzenterhaus is a major orientation point for the city of Bochum, Germany. Its shape, with 15 polycentric rings set atop the solid foundation of a 22-meter, World War-II-era bomb shelter, would probably make it a landmark at any height. Each floor contains rounded, rentable office space, offering 360-degree views and copious natural light through full-height windows and balconies up to 1.6 meters deep. Communicating spiral staircases between floors in single-tenant spaces are also an option. Further uses may include light displays and use as a projection screen.

The bunker shaft provides a two-story reception area at the base. The remaining bunker floors serve as archival and storage space. The structural design of the building is a tour-de-force. The concrete structure's floor slabs cantilever up to 4.5 meters but are only 250 mm thick. This is supported by a conical spatial form activating membrane action in the slabs, as well as unbounded, pre-stressed tendons around the slab edges, to counteract cracking.

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