

SUSTAINABLE
RELIABLE
INDEPENDENT

At ZWP, a leading engineering bureau in the field of building services and facility management, we carry out all planning with a strong focus on sustainability.

The company

Since 1980, our experienced engineers have been developing innovative, sustainable solutions tailored to our customers' special requirements, as well as identifying effective ways of enhancing the efficiency and environmental performance of buildings and building services. Our team currently comprises a total of over 300 men and women and includes experts in all building-service fields.

Locations

Our company operates nation-wide, with locations in Cologne, Berlin, Bochum, Dresden, Hamburg, Munich, Stuttgart and Wiesbaden. We also cooperate internationally, with engineering companies in St. Albans (UK) and Luxembourg.

Services

Our spectrum of services includes consulting, assessments, cost-effectiveness calculations, building and systems analyses and planning / implementation of intelligent concepts for buildings. Our core services area, planning of building systems, includes consulting services in the areas of building simulation, building management and sustainability certification in conformance with the DGNB (German Sustainable Building Council) system. Consequently, all our planning, from early phases onward, takes full account of the long-term requirements of our forward-looking society.

Our services:

- Integrated planning of building services
- Lighting systems
- Energy-supply concepts
- Information and data technology
- Building simulation
- Systems simulation
- DGNB-conformal certification
- Flow simulation
- Daylight / artificial-light simulation
- Facility management
- Structural fire protection
- Thermal building physics
- Soundproofing and room acoustics
- Laboratory engineering

Sustainability

Modern societies are now striving to use natural resources sustainably, i.e. to bring their use of natural resources in balance with nature's own ability to regenerate. All projects in today's world should be oriented to that ideal.

Buildings should be run in accordance with optimized energy concepts that conserve resources. In addition, planning and construction of buildings should be oriented to careful, efficient and environmentally friendly use of materials.

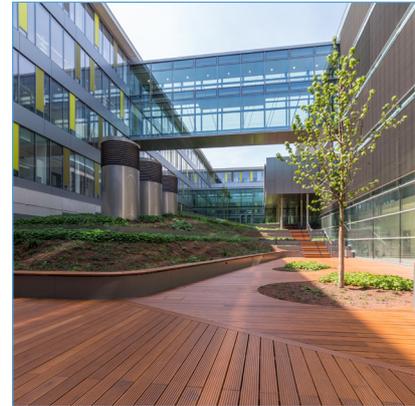
Our lifecycle-cost and „eco-balance“ analyses ensure that the optimal materials and designs are selected in each case. Significantly, in such analyses we also take account of the environmental impacts of building-construction and building-demolition phases.

In keeping with the above principles, we often recommend use of renewable, domestically available materials such as wood, cellulose insulation, etc..

In the interest of making construction „sustainable“, in an optimal, measurable way, we also recommend use of a certification system such as that of the German Sustainable Building Council (DGNB).

We carry out construction projects in the following areas:

- Structural modifications of existing buildings
- Office buildings
- Shopping centers
- Museums
- Media centers
- Medienzentren
- Industrial facilities
- Hotels / recreational facilities / residential facilities
- Laboratories and institutes
- Schools and educational facilities
- Buildings for religious use
- Clinics / care facilities



2015
Neubau Chemie Justus-Liebig-Universität Gießen



2015
HumboldtHafenEins, Berlin



2015
Merck, Modulares Innovationszentrum, Darmstadt



Standorte der ZWP Ingenieur-AG