

# ZWP Ingenieur-AG

Planning and monitoring for building services, facility-related environmental protection and facility management

## ZWP international



# Intelligent building concepts for foreign clients.

ZWP international is a branch of the renowned German company ZWP Ingenieur-AG, a leading company of building engineering services. ZWP Ingenieur-AG, with global experience and extensive expertise in building engineering, provides innovative, sustainable solutions tailored to customer`s specific requirements. Our professional services create value that makes a real difference for our clients. We help our international customers enhance the efficiency and environmental performance of their buildings, in keeping with their local requirements. ZWP international undertakes projects of all types and any size and has even worked on some iconic structures in the world - e.g. the Shanghai Tower (architect: Gensler), the New National Gallery in Liget, Budapest (architect: SANAA) and the Axel Springer Campus in Berlin (architect: OMA, Office for Metropolitan Architecture).



ZWP Ingenieur-AG knows that effective **teamwork** is a key basis for top quality. The company has a total workforce of over **350 employees** in total, including about 20 specialists at our ZWP international branch office. And ZWP maintains partnerships – with BPR Dr. Schäpertöns Consult, and FirstQ Network – that generate **added synergies** in the areas of know-how and international experience.



ZWP Ingenieur-AG was founded in Cologne in 1980. Its ZWP international department, founded in 2008, now has **10 years of concentrated experience** in the design and execution of large, innovative international projects.



ZWP international always strives to deliver innovative building services concepts that meet the **highest sustainability criteria** and offer the **best customized solutions** for clients.

The Transaction Center Building for Vinacomin in Hanoi (Vietnam), designed by the architecture company AREP, is an office tower with some 136,000 sqm net floor space and 37 above-ground levels and five below-ground levels. ZWP international has been carrying out the planning of the building systems for the project since July 2011.

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*“ We were satisfied with the services of the ZWP Ingenieur-AG with regard to innovation, reliability and adaption to the local condition and requirement. ”*

Pham Ngoc Son, i-AT Architecture Corporation, Hanoi  
(local architect)



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# ZWP international

ZWP, a leading German provider of building engineering services, has extensive international experience in the planning and execution of highly innovative projects.



Since 1980, engineers of ZWP Ingenieur-AG have been developing innovative, sustainable solutions, tailored to customers' specific requirements, that enhance the efficiency and environmental performance of buildings and building services. Today, the company has a workforce of over 350 persons, including experts in all fields of building systems and services, and eight locations in Germany. ZWP cooperates internationally with engineering companies, and it is an active member of FirstQ Network, an engineering consultancy services network.

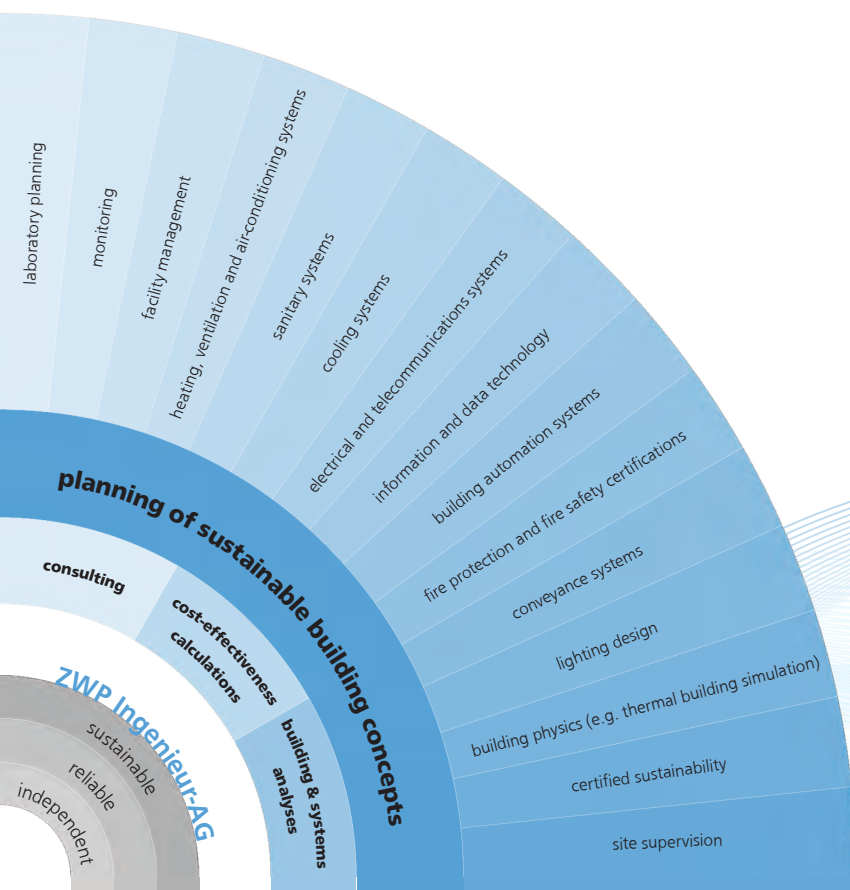
The company's ZWP international branch, located in Cologne, was founded in 2008. It specializes in meeting requirements of builders and architects in foreign countries, both near and far. Our spectrum of services includes consulting, cost-effectiveness calculations, building and systems analyses and planning of sustainable building concepts. ZWP has many years of experience in providing building services and relevant planning to the German market. Now, with our international team, we are able to bring such services to the international market as well, offering innovative concepts that always take account of applicable local circumstances and requirements.

Our vision:  
Working together to shape a bright future.

We are experts in mechanical and electrical engineering, and we design great building services that make buildings – offices, residential buildings, hospitals, museums etc. – highly efficient and create pleasant, inspiring internal environments. In all planning phases, from conceptual to detailed, we take a holistic approach to building design, meaning that we strive to minimize operating costs over projects' entire life cycles. Our tools for doing this include building-performance simulations, which enable us to optimize buildings by minimizing their total energy requirements and making their internal environments as pleasant, comfortable and useful for their occupants as possible. In all our project planning, we include a low-energy-requirements plan, as an added option. In addition, we always use building information modeling (BIM), which maximizes quality for all participants.

ZWP experts design and implement complete lighting concepts for national and international projects of all sizes (offices, retail facilities, hospitality facilities, museums and cultural facilities, industry and data centers, laboratories, education centers, sports facilities, infrastructure projects). We produce lighting concepts that optimize use of both artificial lighting and daylight illumination. With the help of simulation and calculation programs, we identify optimal measures for regulating brightness and limiting glare.

We consistently apply quality assurance concepts, to assure maximum quality. We continually develop our staff, with encouragement and ongoing training, and our various locations always stay in close, productive contact. On every project, our project managers ensure intense and effective ongoing-servicing of our clients by adequate communication and local presence. Collaboration with local designers ensures compliance of innovative design towards specific regulations.



Services of  
ZWP international



**New National Gallery, Liget, Budapest (Hungary)**

**Architect/Customer** SANAA for Liget, Budapest  
**Project period** 2015 - 2020  
**Services** Planning, sanitary systems, heating ventilation and air-conditioning systems, sprinkler systems, building automation systems



**Parliament of the German-speaking Community, Eupen (Belgium)**

**Architect/Customer** Atelier Kempe Thill for Parlament der Deutschsprachigen Gemeinschaft, Belgium  
**Project period** 2009 - 2013  
**Services** Planning and monitoring, sanitary systems, sprinkler systems, heating ventilation and air-conditioning systems, cooling systems, electrical and telecommunication systems, conveyance systems, building automation systems, ground pipes



**New National Stadium, Luxembourg City (Luxembourg)**

**Architect/Customer** gmp International for PGNL, Luxembourg  
**Project period** 2015 - 2019  
**Services** Planning, sanitary systems, heating systems, ventilation systems, cooling systems, sprinkler systems, electrical and telecommunications systems, conveyance systems, building automation systems, lighting design



**Axel Springer Campus, Berlin (Germany)**

**Architect/Customer** OMA for Axel Springer SE, Berlin  
**Project period** 2014 - 2016  
**Services** Planning, sanitary systems, heating systems, cooling systems, air-conditioning systems, electrical and telecommunications systems, conveyance systems, building automation systems, fire protecting technology, lighting design



**LuxConnect DC 2, Bitten/Roost (Luxembourg)**

**Architect/Customer** SOGEDEC for LuxConnect S.A. Luxembourg  
**Project period** 2009 - 2011 (phase 1)  
**Services** Planning and monitoring, sanitary systems, sprinkler systems, heating ventilation and air-conditioning systems, cooling systems, electrical and telecommunication systems, conveyance systems, building automation systems, gas-extinguishing systems



**Research and Development Center Huawei, Huangzhou (China)**

**Architect/Customer** HENN for Huawei Technologies Co., LTD, Shenzhen  
**Project period** 2007 - 2008  
**Services** Planning and site supervision, sanitary engineering, sprinkler and fire protection technology, heating, ventilation and air conditioning, electrical and telecommunications systems, lift technology, measuring and control technology, building control, ground pipes, exterior drainage, building automation systems, kitchen with cold storage room

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ZWP Ingenieur-AG | ZWP international  
An der Münze 12-18  
50668 Cologne | Germany

Phone: +49 221 973182 - 200  
Fax: +49 221 973182 - 210  
E-Mail: international@zwp.de

Commercial court Cologne HRB 67209  
Board of directors: Mirjam Borowietz, Hans-Joachim Kloth, Christoph Zibell



### Contact person

Christoph Adamietz  
Branch manager ZWP international

Phone: +49 221 973182 - 214  
E-Mail: c.adamietz@zwp.de

## ZWP Ingenieur-AG

### Branch location Berlin

Bülowstraße 66, Aufgang D3  
10783 Berlin | Germany

Phone: +49 30 755008 - 0  
Fax: +49 30 755008 - 99

### Branch location Bochum

Massenbergstraße 15-17  
44787 Bochum | Germany

Phone: +49 234 96423 - 0  
Fax: +49 234 96423 - 40

### Branch location Dresden

August-Bebel-Straße 23  
01219 Dresden | Germany

Phone: +49 351 47372 - 0  
Fax: +49 351 47372 - 50

### Branch location Hamburg

Am Born 19  
22765 Hamburg | Germany

Phone: +49 40 2981264 - 0  
Fax: +49 40 2981264 - 40

### Branch location Cologne

An der Münze 12-18  
50668 Cologne | Germany

Phone: +49 221 973182 - 0  
Fax: +49 221 973182 - 40

### Branch location international

An der Münze 12-18  
50668 Cologne | Germany

Phone: +49 221 973182 - 200  
Fax: +49 221 973182 - 210

### Branch location Innovation

An der Münze 12-18  
50668 Cologne | Germany

Phone: +49 221 973182 - 0  
Fax: +49 221 973182 - 40

### Branch location Munich

Dessauerstraße 15  
80992 Munich | Germany

Phone: +49 89 121121 - 0  
Fax: +49 89 121121 - 40

### Branch location Stuttgart

Gropiusplatz 10  
70563 Stuttgart | Germany

Phone: +49 711 72570 - 0  
Fax: +49 711 72570 - 10

### Branch location Wiesbaden

Hagenauer Straße 53  
65203 Wiesbaden | Germany

Phone: +49 611 33444 - 7  
Fax: +49 611 33444 - 80

[www.zwp.de](http://www.zwp.de)

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