

## Contact

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### PLANNING

architecture  
building physics



### CONSULTING

reports and consulting in:  
sustainability  
energy efficiency  
indoor quality  
moisture proofing



### QUALIFICATION

training courses  
online seminars  
distance learning  
workshops / conferences

## About Us

The Öko-Zentrum NRW is a highly specialised service provider for construction professionals.

Founded in 1992, the company focuses on three main areas: planning, consulting and qualification.

Based on our competences we are today one of the top brands in sustainable construction and redevelopment nationwide.

The Öko-Zentrum NRW advises local authorities and companies all over Germany. We provide solutions for a wide range of issues related to pollution prevention, energy efficiency, indoor air

## Our Customers:

### Your Buildings, Your Products

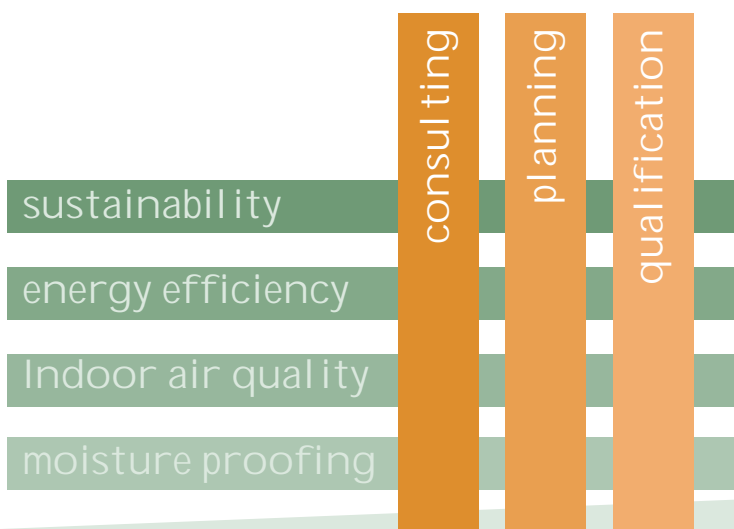
Our customers benefit from our training and engineering services. They have high standards for eco-friendly, economically sound, healthy and energy efficient buildings, products and services. Concerning the existing buildings we focus on

- office and public buildings educational facilities (schools/universities, gyms)
- neighbourhoods

The Öko-Zentrum NRW is involved in a lot of international cooperations e.g. the Japanese Ministry of Land, Infrastructure, Transport and Tourism, local administrations in Japan and companies in the building trade. Main areas of cooperations with these partners are energy efficient buildings and construction products and components.

## Field Of Expertise

## Activities



**OUR CLIENTS /  
 OUR SERVICES**

## Sustainability

Sustainability is our commitment and our aim. Based on the principles of ecologically sound construction, we have contributed significantly to the implementation of sustainability in the planning and building process:

- coordination and monitoring of certifications
- supervision of competitions
- development and execution of in-house training courses

### Certification (DGNB and BNB comparable to LEED)

The Öko-Zentrum NRW coordinates and monitors all aspects of sustainable architecture throughout the planning and building process.

### Sustainability in Competitions

To ensure that all relevant aspects of sustainability are incorporated in architectural and urban competitions, we develop targets and evaluation criteria, check the competition results and assist the jury in its decision making. Our service also includes the integration of sustainability requirements in the subsequent designer and contractor and agreements.

### Workshops and Trainings

Sustainable buildings are a field of activity that is taking a hold within the public building authorities. We accompany this process through workshops and in-house trainings for the BNB system.

## Interiors

Comfort in dwelling spaces, learning areas at schools and performance in workplaces have in common that they depend very much on the quality of the indoor environment. We devote ourselves to the planning of spaces considering these aspects

- thermal comfort (for example: summer thermal insulation)
- daylight availability
- pollution prevention (low-emission concepts and selection)
- ventilation (requirements and concepts)
- room acoustics
- prevention of mould in rooms, on room surfaces and equipments

## Moisture protection

### Quality Management, Reports, Technical Planning

We consider moisture protection, waterproofing and facade protection as well as room climate issues to be integral tasks in the planning process for new buildings. Refurbishment projects also ask for a similar approach.

Our services:

- defining/clarifying technical requirements / planning goals
- examination of planning documents and bids
- expertise (mainly on indoor climate)

**TOPICS  
AND  
ENGINEERING  
SERVICES**

## Energy Efficiency

Energy Efficiency has become one of the most important criteria of technical building qualities. While keeping an eye on the overall design we carry out detailed planning on the efficient use of energy: heating, cooling, and lighting in new and existing buildings. The results are feasibility studies, reports or technical plans.

## Groups of Buildings

For neighborhood areas and bigger real estate portfolios, we develop concepts for energy saving and climate protection with special attention on the feasibility of the proposed actions. In addition, we accompany the process and prepare campaigns to motivate energyefficient renovation and refurbishment.

- existing buildings: collection of information on individual buildings on different levels of accuracy and development of integral concepts for a specific type of building
- new buildings: concepts and requirement specifications for a sustainable urban development

## Single Buildings

For individual buildings, we perform energy assessments in accordance with applicable legal standards of the EnEV or using the passive house planning package (PHPP). Other methods are added to this procedure as required.

- wvwold and new buildings
- non-residential and residential buildings

## Studies and Information

Studies and Information Research on energy efficiency for preparation of funding guidelines or competition targets refer to statistically characterized typologies. In order to support these projects, we offer:

- strategy development based on building types (e.g. development of energy requirement levels, CO2-targets)
- development of information and technical fundamentals for communication concepts (e.g. for pilot projects, campaigns etc.)

## Qualification

Since the year 2000 the Öko-Zentrum NRW provides distant-learning courses with attendance phases for building professionals. Every course follows a similar design:

- part-time distant-learning phase with classroom sessions in various cities in Germany
- provision of theoretical basics supplemented by practical exercises
- certificates are approved by various chambers, associations and expert lists.

### gebäudeenergieberater24



Existing residential buildings:  
on-site-consulting,  
refurbishment concept,  
BAFA funding

### effizienzhausplaner24



New residential buildings:  
planning and evaluation of  
high energy efficiency new  
buildings, according to  
KfW-standards and public  
funding programmes

### energieplaner24



Non-residential buildings:  
Energy efficiency and  
optimization in accordance  
with DIN V 18599 , Energy  
consulting in the SME  
sector, KfW nonresidential  
buildings funding

### baubiologie24



Residential and non-  
residential buildings:  
examination and evaluation  
of indoor pollution

### feuchteschimmel24



Avoiding and renovation  
of damages resulting from  
moisture and mould under  
a holistic perspective of  
moisture proofing

QUALIFICATION  
/ COURSES