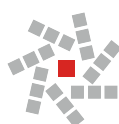


# Green Services



ZENTRALE  
TECHNIK

# Sustainable Networked Forward-looking

Sustainability has become a necessity. The biggest lever for sustainability is the building sector, which currently accounts for 40% of greenhouse gas emissions and 50% of raw material consumption worldwide. It is in our hands. Because sustainable construction encompasses all areas of our operations. From the choice of the site to the architecture, to energy and resource efficiency planning, operation, maintenance, modernisation and deconstruction.





# We plan the future

Together with the various departments of Zentrale Technik and in cooperation with our colleagues from the different entities of the STRABAG Group, we offer a wide range of services designed to protect the climate, save resources and reduce emissions in order to make your building fit for the future.

# Sustainably networked

We are there to advise you in all phases of the building life cycle – preferably from the very beginning. Our goal: to harmonise economy, ecology and social issues. We design and optimise buildings in terms of sustainability, model-based and with artificial intelligence (generative design). In an integral planning process, we take into account your specifications as well as currently applicable and pending legislation and sustainability certification requirements.

The sustainability network: our catalyst for sustainable design and building practices.



## Services

- Sustainability stocktaking and consulting as well as partnership-based, interdisciplinary target and concept development for maximum project success
- Life cycle-oriented environmental and economic assessment (LCA and LCC) for long lifespan and value growth of the building
- Sustainability certifications and ESG compliance
- Resource-efficient and circular design and construction including creation of a digital building resource passport
- Interdisciplinary, climate-resilient design and construction for long-term value retention
- Ecological product testing of the construction materials for healthy indoor air
- Planning and consulting for renewable energies and electromobility
- Quality inspection during construction
- Climate-optimised operating concepts for sustainable building use



# Overview of our sustainability services

## Health and comfort

Interior spaces have a significant influence on our health and well-being. Our building physicists and building biologists ensure a comfortable, healthy environment.

## Climate protection (CO<sub>2</sub>)

With an ecological life cycle analysis (LCA), we can measure environmental impacts and thus lay the foundation for your low-carbon building.

## Circular construction

We use circular design and construction to turn buildings into a sort of raw materials warehouse of the future where the parts and components can later be separated and reused.

## Energy

In addition to the efficient use of energy in the building, we are continuously exploring the possibility of generating energy from renewable sources – using generative design methods.

## Certification

Sustainability certifications (ESG/EU Taxonomy, DGNB, BNB, LEED and QNG) allow us to evaluate buildings and the building process with a holistic approach and make sustainability measurable.

## Resilience

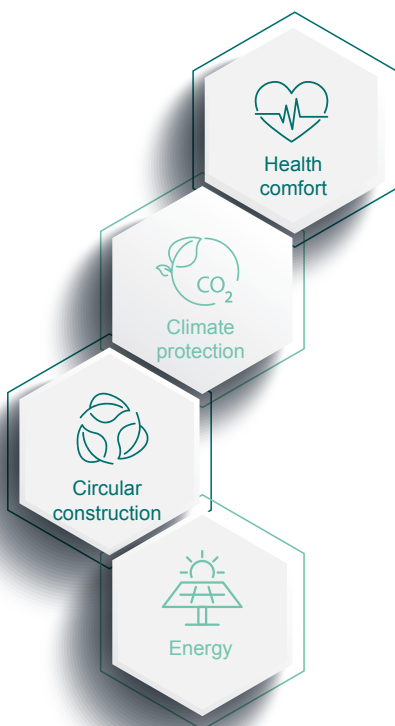
Buildings have a long service life and must be built in such a way that they remain flexible with regard to possible climate changes. We plan for climate resilience – right from the start.

## Sustainability management

In an integral planning process, we optimize your building project according to the various sustainability dimensions, taking life cycle costs into account.

## Environment

Emissions of noise, dust and pollutants are a burden on the environment that we minimize through integral planning.







# Green services for a greener tomorrow

Our Green Services can help you to reduce the environmental footprint of your buildings, increase the value of the structure and ensure a healthy future for generations to come.

At Zentrale Technik, experts from a variety of disciplines work together on an interdisciplinary basis, resulting in a broad portfolio of sustainability services.

Our goal: to develop sustainable, individual solutions that have a positive impact on your building project and the planet.

**WE MAKE YOUR  
BUILDING PROJECT  
FIT FOR THE FUTURE**



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We take a holistic approach to building projects. Because every single planning decision influences the quality of the entire building, for a lifetime. The construction sites of today are the buildings of tomorrow and the next generations. We face up to this responsibility.

**Dr.-Ing. Karoline Fath,**  
Group Manager Sustainable Construction

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Zentrale Technik is sustainably networked. Together with our general planning, the Sustainable Construction Group coordinates the expert knowledge of all specialist disciplines as part of a holistic approach, thus ensuring transparent and efficient planning. With our forward-looking planning methods such as generative design and BIM, we can ensure sustainable success for us and for you – today and in the future.

**Ferdinand Nagel,** Subdivision Manager Turnkey Construction

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## Contact

**Dr.-Ing. Karoline Fath**  
Group Manager Sustainable Construction  
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Being sustainable means taking measures that have a positive impact today and tomorrow. Circular construction and the long service life of the buildings not only reduces the carbon footprint in the long term, but can also sustainably increase a building's value.

**Ulrich Schweig,** DGNB Senior Auditor

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**Ed. Züblin AG**

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