

# DREES & SOMMER

## Building Responsible Buildings

As an innovative partner for consulting, planning, construction and operation, Drees & Sommer has supported private and public clients and investors for over 50 years in all aspects of real estate and infrastructure, both analog and digital. Operating internationally, the company's experts support both German and international companies from a range of industries in their projects. This close network of offices and experts with regional and project experience enables worldwide delivery of competent support. Today, the Drees & Sommer Group employs over 4,000 people from 73 different nationalities, speaking more than 50 languages, expanding to Singapore in 2022.

### COMMITTING TO THE SUSTAINABILITY AGENDA

To secure and further expand the company's long-term economic success in harmony with its ecological and social goals, Drees & Sommer has set up ESG goals to become a Beneficial Company by 2030. Aiming to always think and act sustainably and holistically, the company lives by a basic principle, 'the blue way', which is a stringent, goal-oriented process that allows space for the company to progress economically with ESG considerations in mind.

It aims to achieve this by implementing a number of sustainability initiatives such as:

- Using renewable energy from Greenpeace Energy to provide electricity for corporate offices and charging stations in Germany
- Developing numerous measures to avoid emissions from fossil fuels in all areas and processes
- Introducing a travel policy for climate-friendly business travel, which specifies that employees use rail travel instead of short-haul flights wherever possible
- Gradually converting its vehicle fleet to alternative drive systems and promoting environmentally friendly vehicles with a CO2 bonus
- Promoting climate-friendly mobility through public transport subsidies as well as bus shuttle, job bike and car sharing schemes

- Offering every employee the opportunity to learn more about sustainability through its internal training tool, DS-Academy.
- Urban gardening in a school in Shanghai
- A green summer terrace for a cafe for homeless people in Vienna
- Bee colonies established on the Drees & Sommer campus in Germany

Drees & Sommer's commitment to sustainable corporate development is aligned with the UN Sustainable Development Goals (SDGs). As part of its corporate activities, Drees & Sommer identifies company measures and client projects that either reduce negative impact or contribute to the positive development of solutions to achieve the SDGs.

### ESG EFFORTS

#### Social

As part of internal sustainability, Drees & Sommer made the theme for the company's 50th anniversary year "social responsibility" alongside 50 sustainable, ecological and social projects. Some examples include:

#### Environment

Drees & Sommer has also reduced and compensated its CO2 emissions and has become climate positive in its decarbonisation journey. To minimize the resources consumed and the waste produced, the company is also applying its Cradle to Cradle design principle with EPEA (a part of Drees & Sommer). Linked to databases, the building is given a material passport that contains all information on the products and materials used. Hence, when the building is altered or demolished, it is possible to plan precisely how valuable resources can be reused or returned to the biological or technical cycle.





## SUSTAINABLE BUSINESS INNOVATION

### Sustainable building design

Supported by the valuable expertise of a number of collaborating partners, Drees & Sommer has succeeded in devising an innovative module for technical building services. This offers considerable time and cost benefits in the design, production and assembly phases. OWP12 was also the first project in which the modular unitized facade of FKN Group was used. The space-saving and recyclable building shell reduces the energy consumption to a minimum, while meeting the most stringent sound insulation requirements.

The design and construction of Drees & Sommer HeadQuarters building "OWP12" in Germany is designed to generate more energy than it consumes when in operation. This has been achieved in part by a highly insulated facade construction, photovoltaic systems on the roof and on the southern facade, geothermal energy via geothermal boreholes, and a green northern facade.

The electricity purchased for the company's German sites comes from 100 per-

cent hydropower and wind energy and is largely fed into the consumption network at the same time.

### Interdisciplinary tools

Drees & Sommer's unique Interdisciplinary Design & Research team have developed bespoke digital tools and methods for Smart, Innovative and Sustainable projects. These Interdisciplinary Design Models account for various metrics, including aesthetics, performance, buildability, operability, wellness, design rationale and financial viability throughout the project development process.

By augmenting 4D capabilities into these bespoke tools, Project Teams can hence compare, test, and evaluate a large number of design scenarios, including parametrically altering the geometry of the design, as well as testing renewable energy and phasing options. This enables the Project Team to freely explore design options in workshops with a live 4D model while receiving immediate feedback in terms of technical and financial performance.

## FORGING EXTERNAL INDUSTRY ALLIANCES

In addition to progressing its own digital and sustainable solutions, Drees & Sommer believes that it is equally important to forge strong alliances outside the group. It has joined forces with the well-established Dutch consulting and project management firm BOAG to strengthen its international services, especially in education, health-care, retail and residential construction.

## DREES & SOMMER IN SINGAPORE

For now, Drees & Sommer is in the process of becoming a member of the Singapore Green Building Council with the aim to actively participate in innovative knowledge sharing and exchange between both the German and Singaporean Green Building Councils to ultimately develop and deliver unique, sustainable building solutions to Singapore and ASEAN.

It currently finds itself screening how far its sustainability efforts correspond to the specifications of the Singapore Green Plan 2030 and how the company strategy aligns already. Sustainable Development is always at the forefront of its strategy and Drees & Sommer is continuously thinking of new ways to implement the SG Green Plan 2030 into its corporate and personal lives.

