



Energy efficiency and sustainability
in the built environment



A growing challenge

Our society depends on energy – we all need stable, affordable energy to support our daily lives and ensure continuous economic growth.

But while the world's energy consumption grows rapidly, fossil fuel prices are soaring and reserves are diminishing at an unprecedented rate. At the same time, the growing threat from a changing climate means there is a constant pressure to reduce CO₂ emissions.

From construction to demolition, buildings and their immediate surroundings have a significant impact on our natural environment, economy, health and productivity. They are responsible for more than 40% of Europe's energy consumption and for a major part of man-made CO₂ emissions. Making buildings more energy efficient will bring tremendous benefits to the owner and users of buildings – and to the environment.

With these immense challenges, our customers need practical and innovative solutions that focus on energy efficiency and sustainability in the built environment.



Buildings account for more than 40% of energy consumption in Europe

Increasing energy efficiency and using renewable energy resources are the most sustainable solutions for cutting consumption

A practical response

BuildDesk is a consultancy focused on improving energy efficiency and sustainability in the built environment. There is a huge, untapped potential in readily-available solutions, as well as new and innovative energy efficiency and sustainability concepts. We help our customers by putting these solutions and concepts to work.

We help our customers respond to the challenges of climate change. Together we develop energy-efficient solutions that use fewer fossil fuels and other non-renewable sources. We help them find sustainable, socially-responsible solutions that are profitable, have a low impact on natural surroundings, and result in indoor and outdoor spaces that are healthy and comfortable to be in.

BuildDesk helps customers who focus on energy efficiency, as well as those with a wider sustainability agenda. Whether it is to fulfil building regulations, international directives or agreements, to save energy and money, or to ensure a sustainable future for the coming generations, we're ready.



Solutions for buildings and the environment

BuildDesk works to create an energy-efficient and sustainable built environment for our customers by bringing together the skills and knowledge of our experts and external networks.

There is never one 'best way' to do things – BuildDesk's world is not black and white. Success depends on the ability to find the right solution for each unique challenge.

We have many years' experience in building and navigating industry networks, and combine in-depth technical knowledge with a thorough understanding of both local and national stakeholder interests. We look for bold solutions that enjoy broad support within – or sometimes even beyond – the confines of the generally accepted perceptions of what is feasible. And with targeted and relevant communication activities we support our customers right through to the implementation of solutions. All together, this makes us a uniquely qualified partner.

BuildDesk is an international organisation involved in projects around Europe. We take the inspiration and best practices we gain from these projects and bring them to work for other customers.



Together with our customers,
BuildDesk creates an energy efficient
and sustainable building environment
by uniquely connecting people and
optimal know-how



Local solutions to global challenges

To help our customers achieve optimal energy efficiency and sustainability in the built environment, we offer consultancy in highly specialised, key areas. But as projects are never the same, our consultants are skilled at working in interdisciplinary teams with a holistic project approach.

Policy and Climate

Our consultants focus on developing, communicating and implementing policies and help customers find local responses to the challenges posed by global climate change.

Area Development

From single building sites to entire towns, we focus on sustainable development in urban and rural areas. Our consultants help local authorities, housing associations, property developers and owners develop integrated plans for sustainable energy supply and consumption.

Building

To optimise the energy efficiency of buildings, our consultants provide property owners with energy performance data and develop strategies to support energy-efficient practices.

BuildDesk co-operates with an extensive network of professionals, companies and research institutions. This helps us grow our knowledge base and quickly call in additional expertise to provide our customers with the best solutions.



Roadmap to a climate-neutral city - a typical BuildDesk project

The issues of climate change, and the reliability and increasing costs of our energy supply are climbing up the agendas of governments and businesses. And policy makers and business leaders around the world are beginning to commit themselves to a greener and cleaner future.

BuildDesk works with local authorities and businesses to help them prepare for a climate-neutral future. We assist our customers in defining their approach and their ambitions. Based on a thorough analysis of current and future energy supply and consumption, and an identification and investigation of possible measures, BuildDesk will draw up a 'roadmap'. A roadmap provides insight into the feasibility and consequences of becoming climate-neutral and includes proposals for political decisions and concrete activities. We also work with our customers to develop practical plans for the realisation of their ambitions, as well as advice on how to achieve the necessary support by communicating plans and activities to employees and the community.



Climate adaptation scan - a typical BuildDesk project

There is little dispute that the climate is changing, but the effects of this change will depend on location. In some areas, a change such as heavier rain will have more severe consequences than in other areas. For any given area, BuildDesk's climate adaptation scan will provide insights into the effects of climate change – positive as well as negative – relating to social health, economy, water management, energy, agriculture and the environment. With this as a base we can present a set of practical recommendations. If policies, programmes or plans already exist, BuildDesk also offers a reverse climate adaptation scan to assess whether the effects of climate change that have been identified are adequately covered by the planned measures. And it does not stop there. BuildDesk offers a range of follow-up activities such as feasibility studies, stakeholder consultation, programme design and communication. The sooner we adapt, the fewer costs we will face in the future.

Strategic building stock management - a typical BuildDesk project

Any building that is constructed, sold or rented out in Europe, must have a valid energy performance certificate. This means significant work for housing associations and other administrators of large building portfolios.

BuildDesk helps customers turn this requirement into a strategic advantage. By analysing energy performance data for the building portfolio, we can provide advice on how to increase energy performance and with it the value of the entire building stock. Based on this, BuildDesk will help draw up a long-term plan for integrating energy efficiency measures into day-to-day management and maintenance projects. This secures a reasonable balance between costs and benefits and creates a closed quality circle for keeping energy performance data and certificates up-to-date. The result is a positive impact on the value of the building portfolio, the living and working comfort of the tenants, and the sustainability of the surrounding area.



Tools and services designed for greater efficiency

BuildDesk provides a wide variety of tools and services for evaluating and optimising the energy efficiency of new and existing buildings.

Our flexible and comprehensive software tools support practical and strategic decisions about energy efficiency, performance-enhancing design and renovation. They range from simple, web-based data visualisation applications to industry-specific desktop applications. And they serve everyone from property owners and administrators to highly specialised engineers and architects.

To help our customers navigate increasingly complex requirements – and to give their business an edge – BuildDesk offers seminars and hands-on training to strengthen skills and expertise.

BuildDesk - energy efficiency and sustainability for buildings and the environment

The BuildDesk Group is a consultancy focused on energy efficiency and sustainability in buildings and their environment.

We provide advice to customers, from policy makers to end-users on all aspects of energy efficiency and sustainability relating to the management of buildings and building portfolios, and to the development and implementation of policies, projects and procedures at regional and national levels.

BuildDesk is a member of the Rockwool Group, one of the global leaders in energy-efficient building solutions.

Visit **www.builddesk.com** for more information.

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