

Sustainable building in Baden-Württemberg

Innovative technologies, exceptional planning expertise, international construction projects –
Baden-Württemberg is a leading location for urban development



Baden-Württemberg

Where ideas work.

Facts and figures about Baden-Württemberg

Outstanding innovations

Population

10.9 million – this corresponds to
13.2 % of the population of Germany

Gross domestic product

477 billion euros – this corresponds to 15.2 % of Germany's GDP
GDP per inhabitant (2015): 43,700 euros (Germany: 37,997 euros)

Export

Export volume: 192 billion euros
Export volume per inhabitant (2015):
17,600 euros (Germany: 14,600 euros)
Export state No. 1 in Germany

Research & development

Research & development 2015: 4.9 % of GDP (Germany: 2.9 %)
Patents applied for per 100,000 inhabitants: 132 (highest in Germany)
Innovation region No. 1 in Europe

Baden-Württemberg is the 3rd largest state out of 16 in the Federal Republic of Germany;
figures for 2016



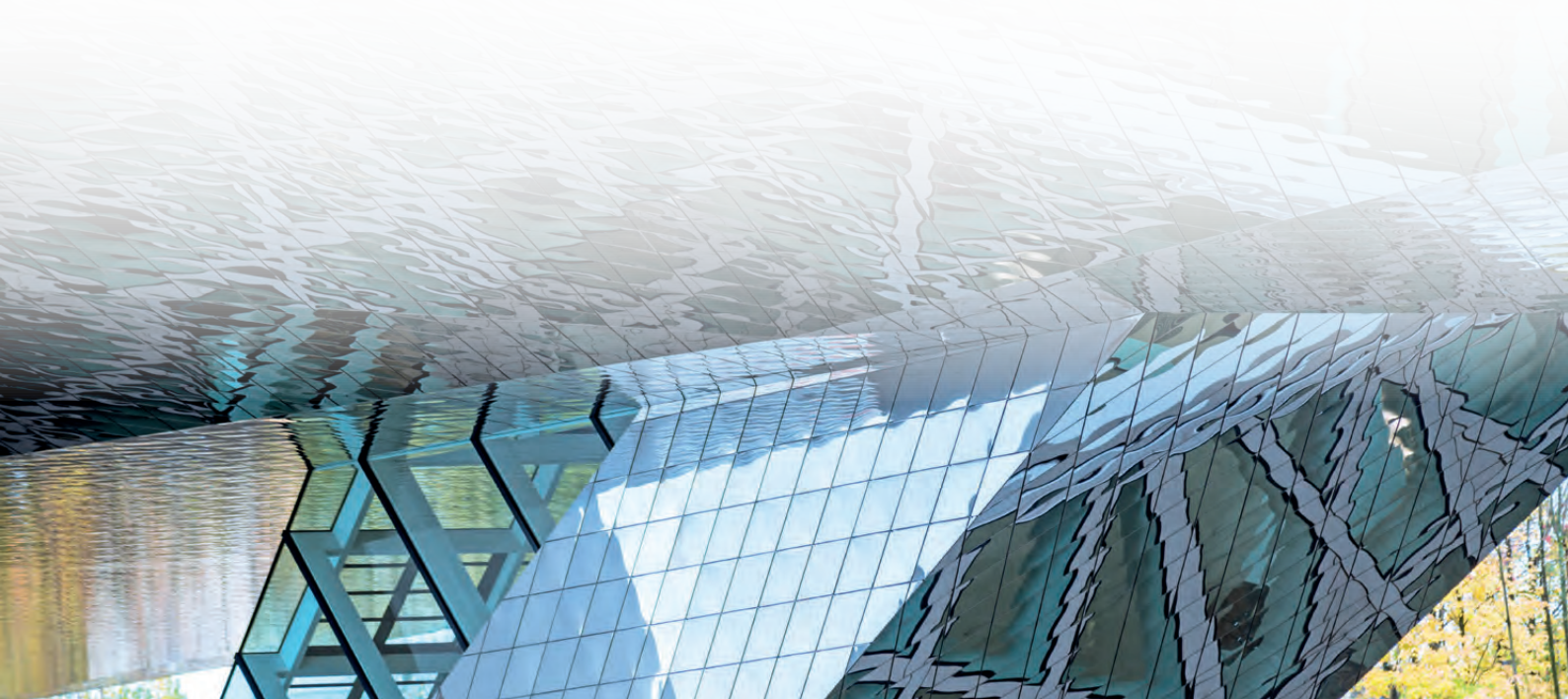
Important location for sustainable building in Germany

Exceptional planning and building expertise

Building experts from Baden-Württemberg are involved in innovative projects all over the world such as the roof and facade of the international airport in Bangkok, the integrated planning of the grand mosque Djamaâ El Djazaïr in Algiers and the B10 active house in Stuttgart, which is 100 per cent recyclable. Among international clients, they enjoy a very good reputation. The approximately 25,000 architects and planners as well as around 153,000 engineers in the southwest are an indication of the highly significant role that urban development and sustainable building play in this part of the country. In this context, the knowledge and experience of internationally active construction companies

and craftspeople in the southwest round off the exceptional planning and building expertise in this German federal state.

The sector is characterised by a wide variety of products and services and possesses unique know-how and special knowledge, for example in energy-efficient building design, the recycling of building materials and lightweight construction. In the areas of urban mobility or digitisation of the industry on the basis of an approach referred to as 'building information modelling', the experts from Baden-Württemberg are also playing an important part.



City of the future

Innovative solutions

The worldwide trend towards urbanisation continues unabated. According to estimates of the United Nations, 83 per cent of the world's population will be living in cities by the year 2050. In order to be able to cope with the influx of millions of new inhabitants, cities need to reinvent themselves with regard to mobility, energy and infrastructure.

With their diverse approaches and technologies for urban development and sustainable building, the players from Baden-Württemberg are offering innovative solutions for the cities of the future. These range from energy-efficient buildings and urban quarters to concepts for sustainable

mobility, living and working in the city of the future, as well as green systems for adaptation to climate change.

In order to develop tailor-made solutions for these issues of the future and for individual cities, the planners, architects and engineers in the southwest cooperate regularly with international partners. One of their strengths is that, due to their wide variety, they can form consortiums depending on the requirements of their clients and offer sustainable system solutions.



Networks for innovations

Smartly networked

In Baden-Württemberg, players from industry and science are working across the boundaries of specialist disciplines, industries and technologies to create the city of the future. This necessarily involves the issues of urban development and sustainable building.

The clusters and networks in the state are especially important for international cooperation and the development of innovative system solutions. For example, numerous architects, engineers and manufacturers of building products are cooperating in the „ena – european network architecture“ cluster and engineers from different specialist disciplines are working together in the „bw-engineers“ network.

With its initiative „Building Culture in Baden-Württemberg“, the Ministry of Economic Affairs, Labour and Housing is promoting the networking of relevant players within the state and with FUTURECITIESBW (the coordinating office), it is supporting the initiation of international co-operative projects for the Baden-Württemberg building and planning branch. Moreover, the relevant issues for the city of the future are closely linked to the main areas of innovation that the state is concentrating on. These include sustainable mobility, environment technologies, lightweight construction and renewable energy and resource efficiency, as well as information and communication technologies.



Baden-Württemberg as a science location

Excellence in teaching and research

With more than 70 universities and over 100 non-university research institutions, Baden-Württemberg is one of the top science locations in Germany. Teaching and research are conducted on the very highest level in the southwest, a situation from which the planning and building industry also profits.

Numerous courses of study in the areas of architecture and civil engineering such as building management, resource-efficient building, urban planning and integrated urbanism and sustainable design ensure a continuous supply of highly qualified young talents.

In addition, research institutions and departments at universities in the state are working on the city of the future and, with their research and development of applications, are contributing to the industry's leadership in respect of innovation. For example, in the framework of the Morgenstadt initiative, the Stuttgart Fraunhofer Institutes for Industrial Engineering (IAO) and for Building Physics (IBP) are engaged in research on concepts for cities that are efficient and simultaneously offer a high quality of life. This intensive collaboration between industry and science is one of the factors that are making the state so successful when it comes to urban development and sustainable building.



Baden-Württemberg International

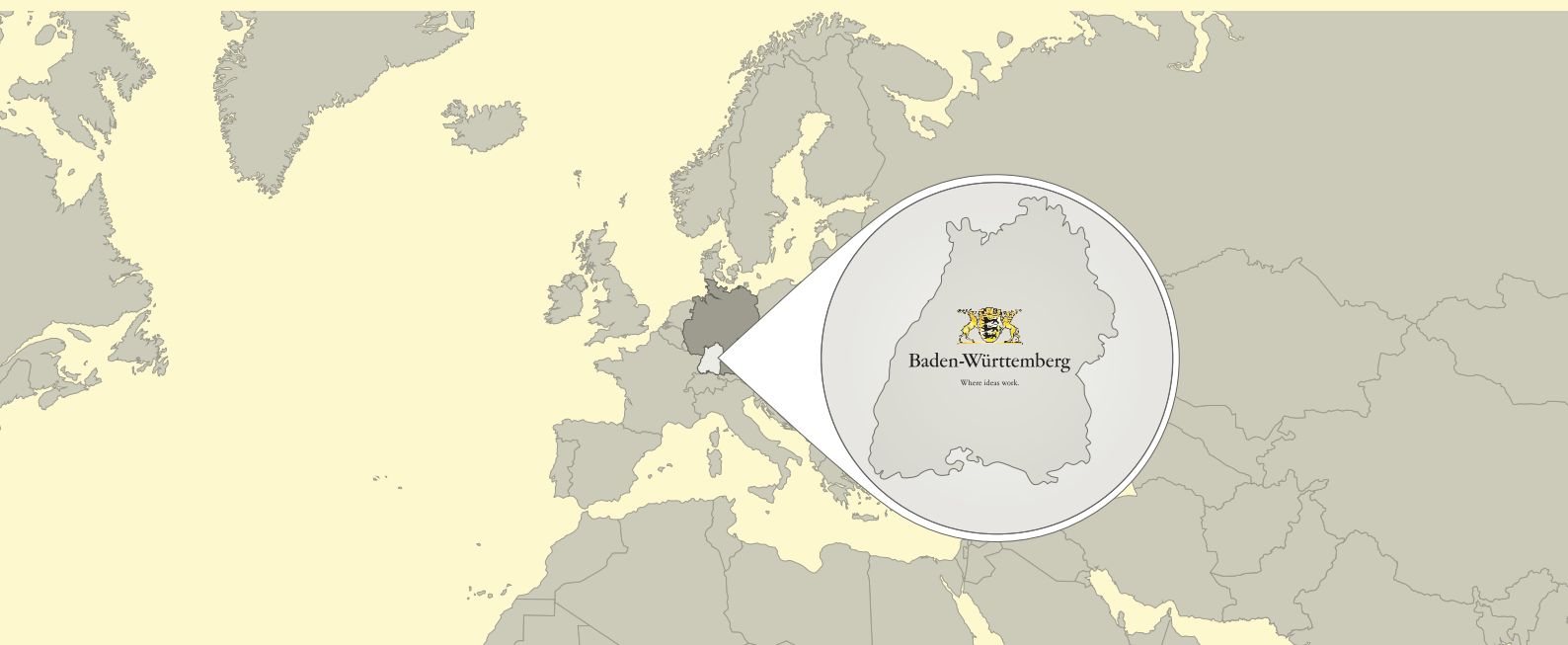
Your partner on the way to success

Baden-Württemberg International (bw-i) is Baden-Württemberg's centre of competence for the internationalisation of business and science. We lend support to Baden-Württemberg companies, clusters, universities and research institutions as well as to regions and municipalities, in all questions relating to internationalisation. For foreign investors, we serve as our state's central point of contact.

When looking to settle in a new region, companies are confronted with diverse questions and challenges. bw-i supports them in their projects – quickly, simply and competently. We provide information on Baden-Württemberg as a location, supply details regarding the general legal situation, identify suitable partners for business and research, assist in the search for a suitable site and stand by to help you in all phases of the planned settlement process.

For more information visit www.bw-invest.de/en.





Baden-Württemberg International

www.bw-i.de/en

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