

## Customer FAQ

### 1. What is this Webtool about?

This website currently describes 19 optimization approaches for affordable and energy efficient construction. It explains practical examples of how energy-efficient buildings can also be constructed cost-effectively. The goal is to provide you with the relevant information in a time-saving way.

### 2. Who can use this Webtool?

Target groups are primarily architects, engineers and planners in the construction sector, as well as interested laypersons such as future building owners. However, this website is also tailored for municipalities, companies and citizens.

### 3. Where is the information from?

This information is provided by the Bavarian Environment Agency (LfU). A unit within this Agency develops tools and information to support the energy transition in an environmentally friendly way. Together with experienced planners of efficient buildings, the LfU has compiled practical examples of how energy-efficient buildings can also be constructed cost-effectively.

### 4. What is the difference to the already existing PDF document?

In addition to the already existing PDF document, this webtool provides you with an additional interactive, descriptive and easier way to research.

### 5. How does the Webtool work?

The Webtool starts with an overview of a house. By clicking on a specific part of the house, you get the relevant information in a compact manner.

You will learn in which cases the solution is applicable and what benefits and cost-saving opportunities exist. You also get tips and understand possible challenges as well as who needs to be involved. In the end there is always an example that has already proven itself in practice.

If you want to come back to certain information, you have the opportunity to save it in a “basket” and print it.

### 6. Why is information missing for certain topics?

This project is still a work in progress. Currently, 19 optimization approaches have been developed and the journey continues. We are still collecting solutions for cost-effective and efficient construction together with planners and adding them to the existing brochure.

Do you have a solution for an unnamed topic? Please let us know!

### 7. Can I submit my own solution?

We are always looking forward to new ideas. Both, on the website and in the PDF document, you can see which topics have not been covered yet. Especially on these topics we need your ideas. However, we also appreciate new ideas to already existing topics.

On our website you find a short form where you can describe us your idea. Please fill in all relevant information. We will then get in contact with you.

### **8. What types of solutions are described in the Webtool?**

Technical, planning, and organizational solutions are presented.

First you will find detailed technical solutions for different components and constructions such as: the roof or the windows. The next section shows different planning solutions, such as: optimization of the floor plans or ventilation systems without sacrificing efficiency. The chapter organizational solutions helps you to implement your construction project in a time, cost and quality-optimized manner.

### **9. Who is the contact person for this project?**

The contact persons are Tobias Unger und Stephan Leitschuh. They are both employees in the field of energy efficient and sustainable construction.

### **10. Where can I find more information about these topics?**

For more information about the topics mentioned in this project we listed several examples of literature in chapter 5 of the pdf brochure. There you will find summaries and respective links to different books that will help you to build cost-effectively and energy-efficiently.

To find further information about energy savings, energy efficiency or renewable energy take a look at the Energy Atlas of Bavaria. Here you can also find different tools or maps that help you use energy responsibly. The Energy Atlas can be found on the following link:

<https://www.energieatlas.bayern.de/>.

## Client FAQ

### 1. Can I add more information later on?

Yes, that is the goal. As of right now, the solutions are not complete. There will be the option to add information later on.

### 2. How can solutions be submitted?

On our webtool there is a short form where people can describe their idea. This questionnaire has to be filled out and afterwards it is possible to get in contact with them.

### 3. Can this webtool be integrated in the already existing website?

As of right now, we are providing a prototype. After the development of a successful prototype, the tool would have to be integrated into the Energy Atlas of Bavaria.

### 4. In what language will the webtool be?

The PDF document is only available in German. The applications on the Webtool and the informational input will therefore also be in German. In the future it is possible to offer English as a second language.

### 5. What languages, libraries and tools were used to write the code?

The code used to develop the webtool is Java Script. React was used to form the basis of the application. For the UI Design, MUI was used. React Router made it possible to route between pages.

### 6. End users can save items to a personal library. How is data protection and information security handled?

The webtool does not hold any sensitive information. To keep track of saved items a browser local storage is used. However, this only saves the file paths for the saved solutions.