

New tool facilitates first steps towards retrofitting

outPHit is supporting the planning of deep renovation projects with its new Decision Support Tool



This house in Darmstadt (DE) is currently being renovated from the basement to the roof using Passive House components. In the process, the building's charm will remain intact. Photos: status late 2023 (left); status early summer 2024 (right). © Passive House Institute

OUTPHIT

PROJECT LEAD



Passive House Institute
Rheinstr. 44/46
64283 Darmstadt
Germany

T. +49 6151 826 99 0
mail@passiv.de

Darmstadt, Germany. 20 August 2024. The planning phase is where all the important decisions are made before any deep renovation project is executed. outPHit is supporting building owners in this regard with its newly released Decision Support Tool. The web-based tool provides guidance on energy-efficient renovation, allowing for a comparison of various retrofit concepts as they apply to the building in question. This makes it easier for those involved in the construction process to find a suitable retrofit concept for their building at the start of the planning phase. The Decision Support Tool is now available in English, free of charge.

In an energy-efficient renovation, the individual renovation steps must be well coordinated so that energy consumption is actually significantly lower later on and living comfort is noticeably higher. The outPHit project partners have developed the Decision Support Tool in addition to guidelines and tools on various aspects of energy efficiency in renovation to support those wishing to renovate with an overview of the possible approaches. This provides owners as well as architects and planning experts with an initial overview of possible refurbishment approaches for the building in question during the initial planning phase.



Providing orientation

"With the variety of options for energy-efficient retrofits, those involved are often spoiled for choice. This is precisely where the Decision Support Tool comes into play, as it presents possible directions for the specific building right from the start. This makes it easier to decide on the next steps in the renovation process," explains the Passive House Institute's Jan Steiger, project coordinator of outPHit. "Highly efficient components also used in building modernisation make it possible to achieve the EnerPHit standard, the efficiency standard for renovations with Passive House components," Steiger continues.

A solid foundation

The tool only requires very general and easy to access information about the building such as construction year, basic floor plan, orientation and construction method. Users can also indicate the importance of energy efficiency, sustainability and costs within the framework of the renovation project. The Decision Support Tool then presents various conceptual solutions for energy improvements and their respective effects as well as further information on high energy efficiency. The tool's results thus provide a basis for further planning with energy consulting experts.

The Decision Support Tool was developed within the outPHit project and gives users preliminary guidance in the planning of their deep renovations. ©outPHit

Free to use

The Decision Support Tool is available free of charge on the [outPHit website](#) and in the Passive House Institute's [Passipedia](#) knowledge database.

FURTHER INFORMATION

- [Decision Support Tool](#)
- [outPHit Case Study Projects](#)
- Information on the [EnerPHit standard](#)
- Brochure [Renovating with Passive House components](#)

CONTACT

Katrin Krämer, Passive House Institute
+49 6151 826 99 25
presse@passiv.de

OUTPHIT – DEEP RETROFITS MADE FASTER, CHEAPER AND MORE RELIABLE

outPHit pairs such approaches with the rigour of Passive House principles to make deep retrofits cost-effective, faster and more reliable. On the basis of case studies across Europe and in collaboration with a wide variety of stakeholders, outPHit is addressing barriers to the uptake of high quality deep retrofits while facilitating the development of high performance renovation systems, tools for decision making and quality assurance safeguards. outphit.eu

THE PASSIVE HOUSE INSTITUTE

Creator of the Passive House standard and later, the EnerPHit standard for deep retrofits, the institute bundles more than 30 years of experience in the field of high performance, cost-effective construction. The institute carries out research, quality assurance of buildings and components as well as training regarding highly energy efficient construction and refurbishment. Additionally, the Passive House Institute provides support for the design and implementation of Passive House projects. passivehouse.com

