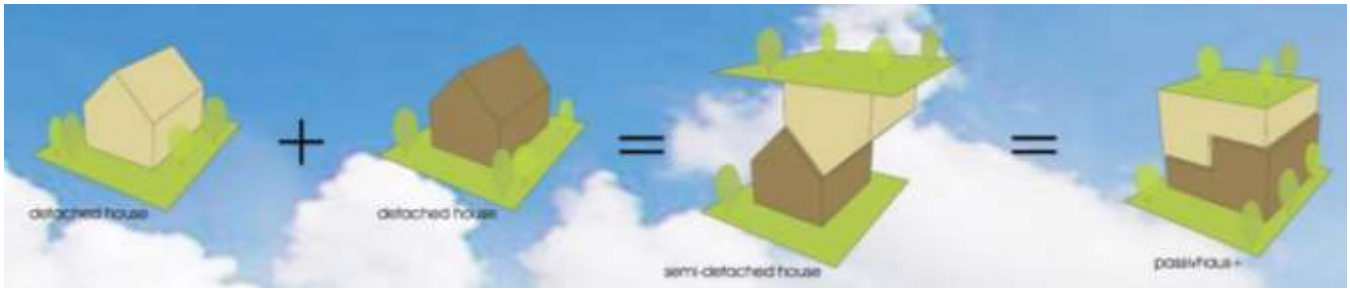
PR and building report of „todaytomorrow"

The innovative and flexible construction system with a future

After more than 30 years in the wood industry, the entrepreneur Johannes Rottenhofer has discovered the flexible generation house for himself. He worked successfully for decades in sales for a well-known Austrian wood industry company in many countries around the world, until in 2011 he found his new challenges as an independent sales partner and export consultant, where sustainable building materials and alternative energies play an essential role. "todaytomorrow" is an exemplary implementation for this.

System honoured with an innovation award



The original architectural idea for the concept was honoured with an innovation award in London in 2012. Adaptations took place under Rottenhofer's brand "todaytomorrow". Johannes Rottenhofer wanted to build a company building for offices and apartments. Through the company Weissenseer Holz-System-Bau from Greifenburg, he came across this new innovative concept of a house that adapts to the needs of the users and their phases of life.

Together with all the collaborating companies, this concept has been developed and so the first sample project with this innovative construction system has been realised in Austria. As a result, the new brand "todaytomorrow" was born.

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Flexibility and individual quality

Flexibility creates individual quality for the location and the users. "todaytomorrow" is a flexible generation building for offices and/or apartments. A barrier-free design is possible. The units of the building can be connected and disconnected with little effort and, if necessary, there is a separate entrance from the outside for each unit, so they are also "Corona-fit"!

The connections are always inside, also across the floors. The wet area kitchen/bathroom is interchangeable. So, the house adapts itself to every living situation and every need.

Despite the given system, there is enough leeway for the individual architectural design. "todaytomorrow" can also be implemented with fewer or more units and is therefore ideally suited for everything from single-family homes to residential social houses.

A new challenge for the future and for the next generations will be a (re)compacted, flexible, sustainable, and energy-efficient housing!

„todaytomorrow" a house for generations

As a family with children, one soon learns that a house does not function optimally throughout all the different phases of life. First, a house or an apartment can be too big, and then with children, in some circumstances, too small. The possibility of a home office is usually completely lacking. And when the children leave home, the parents stay behind and the house is again too big. Nowadays, it is unimaginable that multiple generations live together under one roof, using the same front door and kitchen. In case of need for care, the building has to be extensively altered without barriers and a separate living area for a 24-hour care needs to be provided. With this innovative construction system, this becomes an issue of the past.

Here some realisation approaches of „todaytomorrow"

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First sample house realised in Austria

Johannes Rottenhofer is the man behind the concept of "todaytomorrow" and is so convinced of this flexible building system that he has realised and developed it for the own needs from today and for those of our children from tomorrow.

The first generational house based on "todaytomorrow" is located in Pusarnitz, Austria. It has been realized by the founder of the brand himself and let to a building with four units and a beautiful apartment with a terrace. It is used as sample house for offices and apartments and if some units remain unutilized, they can also be let easily.

Weissenseer Holz-System-Bau GmbH was entrusted with the implementation of the construction project as general contractor. With a very intelligent building skin, they produce healthy, individual, ecological and optimized living and working environments, with responsibility for the future and the next generations.

„todaytomorrow" with a sophisticated home technology

The big challenge was to put together suitable components in a contemporary way. The entire building technology required a sophisticated system. A new air source heat pump as a compact device for an integral overall solution (heating, comfort ventilation, hot water and cooling) was perfect for the highly efficient building "todaytomorrow".
The flexible, modular combination options are suitable for many application variants and offer an individual room climate for the various units.

The entire electrical and media system with the respective main and sub-distributors per unit allow maximum adaptability, as also the installed fire protection, alarm, and intercom system.

In addition to the changeability, this model object also offers a very energy-efficient solution for the future, as the energy requirement is particularly low.

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Thanks to its own photovoltaic system, the building is almost energy self-sufficient. With a suitable storage medium in connection with e-mobility, it was also possible to implement a future-oriented "Smart Energy Management System".

This system was implemented with the regional EVU, with energy from Carinthia in sense of "today the right energy for tomorrow".

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Construction period – faster than a speeding bullet!

Excavation before Easter, shell in three days, finished from the outside in June, terraces and floors in summer, doors and furniture in autumn!




Technical data in detail

- **Realisation:** Four units and a beautiful apartment with terrace
- **Net Floor Area:** total 290 m² plus 150 m² terrace, balcony, pergola and storage rooms
- **Outer shell**: Intelligent timber frame construction with upgraded insulation included
- **Walls and ceilings**: CLT or dry construction planked with gypsum fibre boards
- **U-Value:** 0,08 W/m²K (ventilated façade), 0,09 W/m²K (plaster façade)
- **Heating demand:** 11,1 kWh/m²a, reduction energy demand 13.050 kWh/a or 5,65 tons of CO_2 (according to OIB standard, which equals 31.000 car-driven car kilometres)

Even though it doesn't look like it, the first „todaytomorroy" is completely made of timber and a real „climate-change-house"!

"todaytomorrow" is a construction system that can be realized with every construction material and energy standard!

What can we do for you?

We are happy to share our experiences and maybe we can help you without obligation, with the realization of your "tomorrow" (or another construction project).

You are welcome to tell us about it, we are also thankful for a tip and we are happy to answer any questions you may have! Contact us via phone at +43 664 3804412, visit our homepage or write to us!

The implementation of our sample project "todaytomorrow" has been very successful thanks to the very good performance of all the executing companies and we are happy to show it on request 😊!