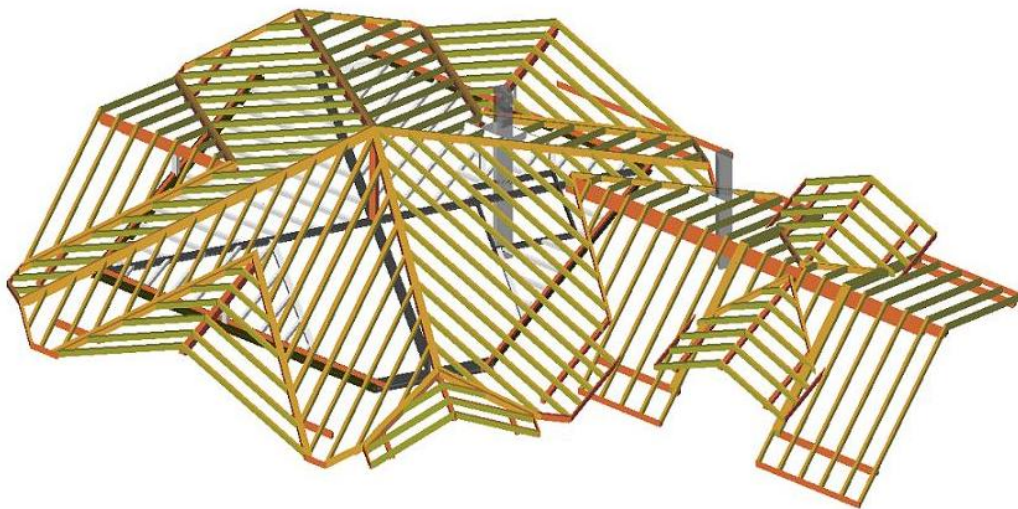




ARCHITEKTUR-
+ HOLZBAU-
SOFTWARE

architecture and timber framing software



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Our Philosophy

Competent for 20 years

For more than two decades the software house *S&S Datentechnik für den Holzbau GmbH* has been the leading developer of architecture and timber framing software for Windows. In our *S&S* team practical experience and academic knowledge go hand in hand: Master carpenters with long lasting experience in their profession as well as graduate mathematicians and computer scientists push forward together all new and further development of our architecture and timber framing software.

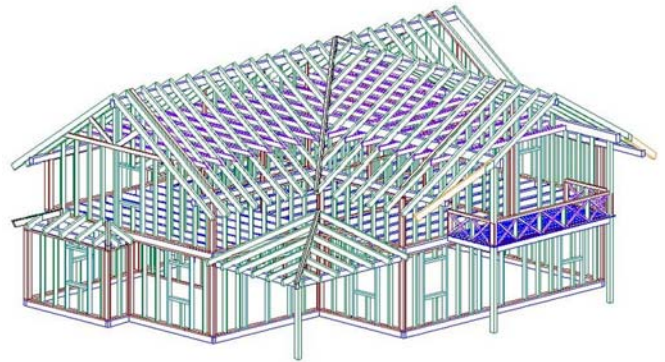
Consequently our customers always find a competent contact person when it comes to finding solutions to everyday problems or just to give us their ideas and suggestions.

Our business management then analyzes our customers' feedback with respect to the current situation

on the market and possibly initiates the development of new or advanced program features based on their newly gained insight.

This sort of communication with users of our software pays off on a daily basis. It is the solid ground on which the high, practical-oriented standard of our products is founded.

In order to maintain and even raise this high standard we use the latest Microsoft tools available for both development and version management of our programs. Our employees are constantly being trained on these tools by Microsoft professionals.



Our line of products

Adventures in construction

There are few enterprises besides the construction of a house that depend on ideas and wishes of the layman just as much as they depend on legal requirements and regulatory supervision. Quite often the flowery vision of being a home owner collides with strict regulations enforced by local building authorities. Or maybe the builder's financial situation requires reorientation. Planning and discarding are part of any architect's and planning engineer's daily work. Lucky are those who have professional tools that support them perfectly.

ABBUND - as a 3D-oriented software consisting of various modules and extensive features - stands for flexibility and efficiency. From classical roof design to the construction of entire buildings based on either traditional timber framing, wall structures containing several layers, or even log beam structures (including special options for various corner connections of any angle): When working with our easy to use timber framing and architecture software you can entirely plan, construct, and realize any property - to the point of sending in the required paperwork to local authorities.

After releasing our first **ABBUND** program back in 1983 S&S has been developing for many years, always keeping an eye on the rising need for flexibility. Since our software first came out for Windows – being the first 32-bit application for timber framing on the international market -

ABBUND users have been able to take advantage of all the convenient features users of other Windows applications are familiar with. Since the development of **ABBUND** is a continuous process it constantly benefits from recent operating system enhancements. This is not the case for any of the 16-bit applications that are still very common among construction software.

Always up to date

By relying on 32-bit technology it is possible to build **ABBUND** with all its modules and features based on one single program core. This allows fast data processing and information transfer in real time. Information that has been changed, for example by moving a chimney or adding a dormer window, doesn't "get stuck" in some interface. All timbers involved are modified automatically while the timber list is being updated in real time. **ABBUND** always allows complete control over the current status of the project and all its material involved. There is no more "too much" or "too little" – and naturally, there is no more costly production waste for your fireplace either.


Save time – conserve resources


However, besides wood quite a few quotations from carpentries to their potential clients end up in smoke. It is time consuming to prepare them and frustrating to end up throwing them in the trash just to start all over again. By using **ABBUND** you can give both your resources and your nerves a break.

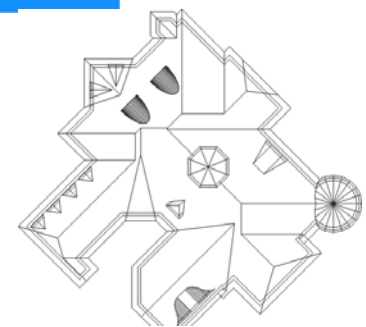
Any DXF-file provided by an architect containing a ground plan of a property can be opened in **ABBUND** and then be traced along its contour. The length of each segment will be copied into **ABBUND** automatically. Entering some basic ground plan info results in an automatic roof computation including all timbers required within minutes and could serve as the basis for a first quotation. Later on any of the values can be updated and corrected if necessary and a new computation will be available at the push of a button. Several lists containing current data, such as the computation of quantities and optimized timber lists, make it easy to keep track of the development of costs.

Program features: Hard workers behind the scenes

Primarily **ABBUND** is a timber framing construction software but changing the material of any of the elements including their components - for example to steel - is a piece of cake. Profiles and specific material surface structures can be displayed from any viewpoint of the construction by using powerful 3D-functions.

The **3D-CAM** features allow 3D CAD/CAM treatment of any element of the  construction in space. From moving timbers parallel to a line, changing their dimensions, or lengthening and shortening them to applying user-defined connections between similar and entirely different types of timber: All these features are readily available and operate in real time - under permanent visual supervision of the user. The eight most common standard views of a project can be accessed at the push of a button. The **Open-GL** view visualizes material features (such as surface, color, etc.) in real time, no matter whether you are displaying a single member or the entire project.

Another powerful feature is called **4inOne**.  It was developed to make the construction of complex roof structures easier by splitting them up into several components that can be edited separately. After defining these single objects they will be computed separately and then automatically merge into one structure.



Additional modification of already entered components and ground plans is always possible. **4inOne** reduces construction time of any complex project to a minimum and still allows a maximum of flexibility while updating its data in real time.

The **S&S** TIMBERFRAMING SOFTWARE and its components

ROOF

- Creation of any roof design from the simplest ridge roof to the most complex roof constructions containing as many roof planes as desired
- Automatic computation of all occurring plane intersections and timber processing
- Entry of all necessary roof timber by macro functions
- Manual editing of all timber categories as well as single pieces of timber
- Entry of all common dormer window types including automatic processing of neighboring objects
- Entry of user defined openings, chimneys, and skylights including automatic processing of neighboring objects

WALL

- User defined construction mode based on one or multiple layered wall structure
- User defined wall structures containing as many layers as desired
- Grid-independent wall lengths
- Automatic computation of all occurring timber processing
- Entry of all necessary timber by macro functions
- Manual editing of planes and timber
- Entry of used defined openings, windows, and doors including automatic processing of neighboring objects

CEILING

- Creation of floor-independent ceiling planes and user defined planes that can be positioned anywhere on the z-axis
- Entry of all necessary ceiling timber by macro functions
- Manual editing of all timber categories as well as single pieces of timber
- Entry of summers

ALL MODULES

- Selection of material for all objects based on background database
- Selection of steel profiles and fasteners based on background database

