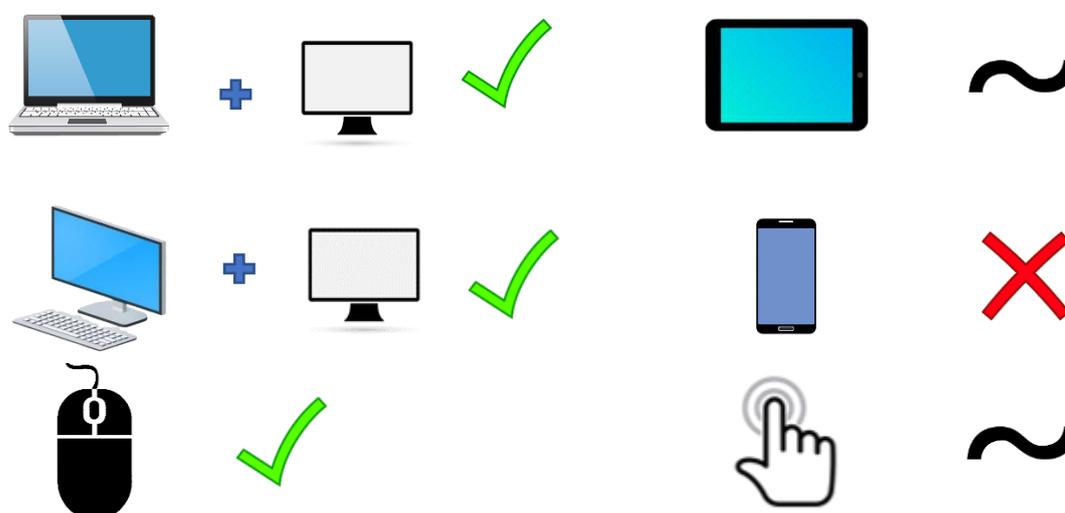


Technical specifications for working with the online-Constellation-Board

Hardware (Computer and Devices)



Laptop

A laptop with a screen size of at least 14 inches is recommended for working with the online-Constellation-Board. The larger the screen, the better.

For online counselling, the use of an additional screen brings decisive advantages and is therefore highly recommended!

Then the board can run on one screen and the video communication with the client on the other screen.

Devices with 8 GB or more of RAM make sense. The type and clock speed of the CPU processor is not of central importance. A graphics card with 3D accelerator is very helpful - but not mandatory.

Desktop PC

A desktop PC with as large a screen as possible on which to work in several windows would also be very good. Here, too, a second screen makes working easier.

The following also applies to desktop PCs: devices with 8 GB or more of RAM make sense. The type and clock speed of the CPU processor is not of central importance. Helpful - but not obligatory - is a graphics card with 3D accelerator.

Tablet

The use of a tablet is **currently not recommended** for working with the online-Constellation-Board. We are working on the full integration for all devices, but it will take some time. There will always be the difficulty of navigating between the different windows that are necessary for online consulting. One possible way of working with the tablet is to have the board on the tablet and the video communication on the cell phone.

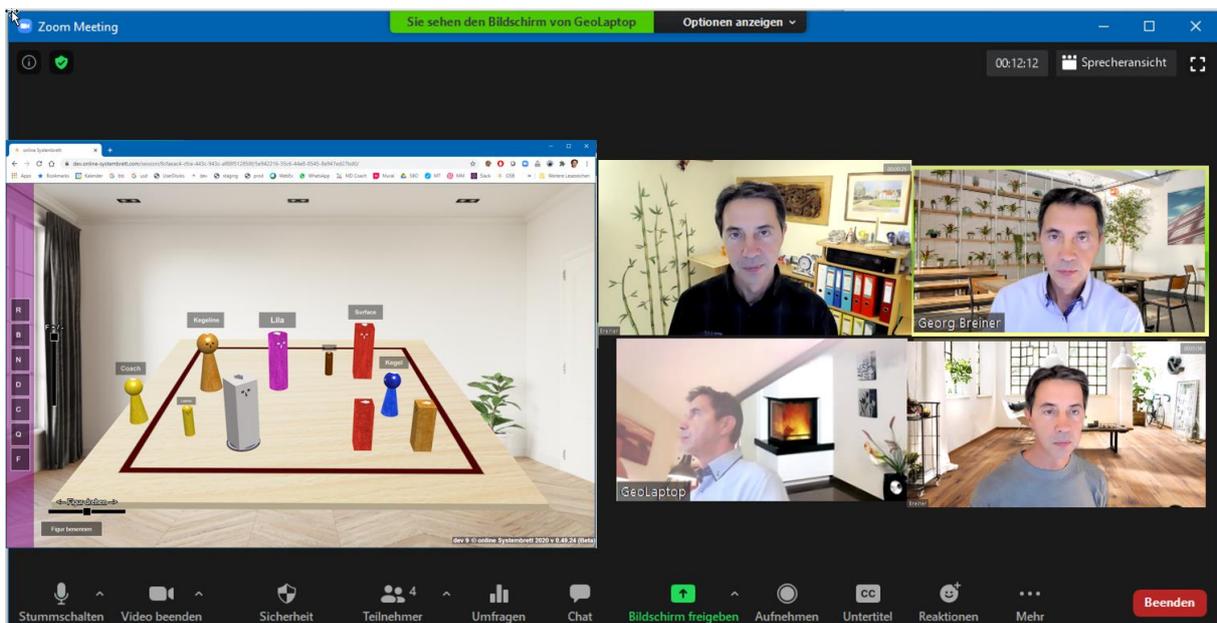
Smartphone

Working on a smartphone is explicitly not the goal of the development. The screen size is simply too small. **The application can run on all smartphones**, but handling the figures is quite challenging. A remedy for this is the use of a cell phone pen. These are usually ballpoint pens with a rubber tip at one end that can be used to operate touch screens. But even if the movement of the figures is successful, the display is very often too small to be meaningful in depth. However, a cell phone is sufficient as an emergency tool.

Communication with the client

We have deliberately refrained from implementing an audio and video channel because there are very personal preferences here and in some cases clear specifications and prohibitions. In some companies, the use of platform X is not permitted, in others platform Y is blocked. Clients usually prefer the software they are familiar with. Communication with the client can therefore take place on any platform - in any case, the functionality of the online-Constellation-Board remains unaffected.

Here is an example of how a setup with multiple users working on the same board at the same time could be solved in Zoom:



Mouse with mouse wheel & headset

It is highly recommended to use a mouse with a mouse wheel - it greatly simplifies interaction with the board.

A headset is extremely beneficial for your audibility and the understanding of the other participants. It is not a requirement, but it is recommended.

Software

Operating systems

The **operating system** does not matter to the online-Constellation-Board.



Both are quite possible.

Browser

You can work with all popular **internet browsers**:



We recommend using Chrome or Firefox because they show the best results - but, as said before, it is not mandatory.

Working in the "old" Internet Explorer from Microsoft is not possible. Microsoft has already partially discontinued technical support for Internet Explorer on November 30, 2020.