

*Personal Space Station (PSS)*



*Personal Space Presenter (PSP)*



*Hold the data in your hands and  
analyse it (inside and out)  
intuitively, faster and better*

- MRI, CT, Ultrasound
- 3D and 4D(3D + time) medical data
- Dedicated medical image analysis software
- High resolution 3D visualization
- Intuitive precise 3D interaction
- Complete plug and play solutions
- Seamless integration of mouse and keyboard with 3D interaction

### Personal Space Station (PSS) & Personal Space Presenter (PSP)

#### Better medical care at lower cost

The exponential growth of 3D and 4D information in Medicine drives the need for fast and efficient analysis tools. However traditional interfaces, like 2D screens, keyboard and mouse are problematic and have severe limitations for this kind of analysis.

Personal Space Technologies bring new solutions. Our technology simplifies working with 3D and 4D (3D + time) data and will allow you to interact with your data in ways only imagined. Furthermore our tools allow you to focus on your task at hand while we take care of the technology. It just works.

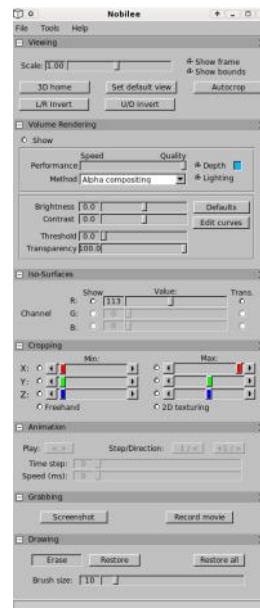
Our users are generally not interested in the technology behind the system and therefore it is essential to offer solutions/systems that work and keep working without a need for high tech staff.

The Medical PSS and PSP enables a physician to interact intuitively with 3D and 4D (3D + time) medical images. This allows for a faster and better interpretation of the images and as a result improved medical care at lower cost.

#### The Offer—complete solutions

A system consist of:

- The Hardware: The actual equipment on which the images are analyzed. Table top (PSS), wall mounted (PSP) and auditorium solutions (PSP Auditorium) are all offered depending on the specific needs of the client. Each system comes complete with visualization, tracking and the computer equipment.
- The Nobilee Software: Each PSP and PSS is equipped with dedicated software, tailored to the analysis of 3D and 4D medical data that allows you to make a better decision faster. Nobilee is most commonly used next to the already installed applications in the hospital for the analysis of Medical Images. Nobilee picks up where those applications fall short: “looking at the data and analyzing it quickly in 3D”. The common used functionality is available and Nobilee is under continuous development to meet the ever increasing needs of the user. If needed we develop additional modules for our clients.
- The Support and Maintenance: This includes the training for the host organization to use the system without any tech savvy people. Also it includes updates of the software during the maintenance contract period.



#### The Personal Space Station (PSS) explained

The Personal Space Station (PSS) is a complete desktop virtual reality system for easy and intuitive analysis of 3D and 4D (3D + time) data.

The user looks at the screen via a mirror. This enables the user to bring his hands into the same environment as the virtual 3D -objects without interrupting the visual image. The user is invited to grab, hold and interact with the data. To facilitate interaction highly accurate wireless optical tracking is used. Interaction controllers are used to position an object in 3D with six degrees of freedom.



#### The Personal Space Presenter (PSP) explained

The PSP is a complete 3D visualization and 3D interaction system that enables multiple users to interact, present and discuss 3D information.

A multi view auto stereoscopic screen, polarization screen or a projector screen hangs on the wall. A few meters in front of the screens is a stand on which the user can find the 3D interaction devices. By grabbing the interaction devices the users are able to interact with the data.

