



SIEMENS

COMOS – Making data work.

Powerful 3D visualization with COMOS Walkinside

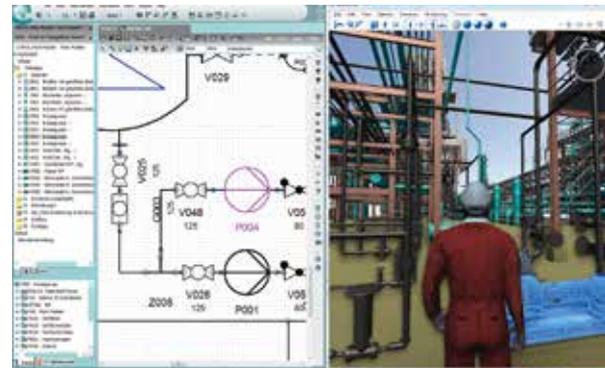
Imagine if your plant documentation were up-to-date at all times – fully automatically. Giving you complete transparency at all phases of the lifecycle. Without any great effort or costs. That's what 3D visualization with COMOS Walkinside does.

A new dimension in operations and training efficiency

The more complex a plant is, the more difficult it is to manage its documentation and keep it up-to-date. Where conventional solutions quickly reach their limits, COMOS Walkinside from Siemens opens entirely new dimensions. By providing completely transparent, real-time asset information, this cutting-edge software solution creates the basis for informed plant operation decisions and effective trainings.

COMOS Walkinside instantly links a virtual reality model with current plant information. Even highly complex plant models can be visualized in 3D. COMOS Walkinside directly accesses all relevant information and displays the current status of a plant with 3D graphics that are virtually true to life. Latest data is automatically included and replicated within all relevant processes to ensure that the current status is always available in a digital format.

With COMOS, all data created during the engineering stages are available at all lifecycle phases of the plant including access to 3D information at any time. Even very large models can be rendered with COMOS Walkinside, independently from the original CAD format. It thereby creates a real-life experience, as if one was actually on site. Walkinside is a perfect add-on to COMOS, the innovative software solution for holistic plant management.



Answers for industry.



Benefits:

- Increased profitability through minimized downtime and maximized plant availability
- Safe adherence to regulatory demands through consistent and real-time plant and project documentation
- Immediate availability of high-quality data
- Reduced costs for asset-related trainings through remote instruction as opposed to in-person sessions at the asset location

COMOS Walkinside for plant operation and maintenance

With COMOS Walkinside, all involved parties are provided with a common as-built 3D view of the plant and the project. Through the ability to access information on the actual status of plant assets, the software enables plant operators to make better decisions in real time. For example, they can quickly see where equipment is located and how they can best access it. This enables the simulation, planning and execution of maintenance tasks: the provision of needed materials and personnel, determination of possible conflicts with other activities as well as their efficient and safe completion.

Highlights

- One single, common basis for all data across the entire plant lifecycle
- Realistic 3D visualization at any time, even of very large data volumes
- Better decisions and increased operational safety for all stakeholders
- Optimized maintenance operations through intuitive, menu-driven access to all relevant information

COMOS Walkinside for operator training

With the Walkinside Immersive Training Simulator (ITS), field operators can conduct their training in an authentic 3D virtual reality model – including geo-localization training, standard operations procedures (SOP) and health, safety and environmental (HSE) incident scenarios. Innovative plant-specific training simulations shorten learning times and strengthen memorization. Trainees can virtually move around, make decisions on their route and interact with one another as well as with equipment – even before entering the physical asset.

This strongly reinforces learning objectives, reduces traditional on-site training and enhances operational safety. ITS can be linked with an Operator Training Simulator (a control room operator training simulator) to further enhance cooperation between field and control room operators. It also allows multi-trainee environments as well as multi-avatar scenarios. Because ITS does not have to be integrated into existing systems, users benefit from low deployment costs.

Highlights

- Virtual training in as-built environments
- Enables both individual and team simulation/training of events and processes
- Easy, fast and game-like navigation
- Allows multi-avatar scenarios
- High value for dangerous and remote working environments

Scan this code to find out more about COMOS!

