



TRICAD^{ms} – 3D CAD FOR BUILDING SERVICES ENGINEERING & PLANT DESIGN

YOUR 3D SOFTWARE FOR BUILDING SERVICES ENGINEERING AND PLANT DESIGN

High performing – intuitive – modular – consistent – customizable

Your outstanding engineering expertise needs a partner who sees eye to eye with you: Powerful engineering software that allows you to fully exploit your creativity. VenturisIT, a subsidiary of TTP Group, is your software partner for more efficiency and planning reliability in building services and plant design projects. Based on our TRICAD^{ms} 3D CAD product and Bentley platforms you can accelerate design processes across all disciplines.



BUILDING SERVICES ENG.



PLANT DESIGN



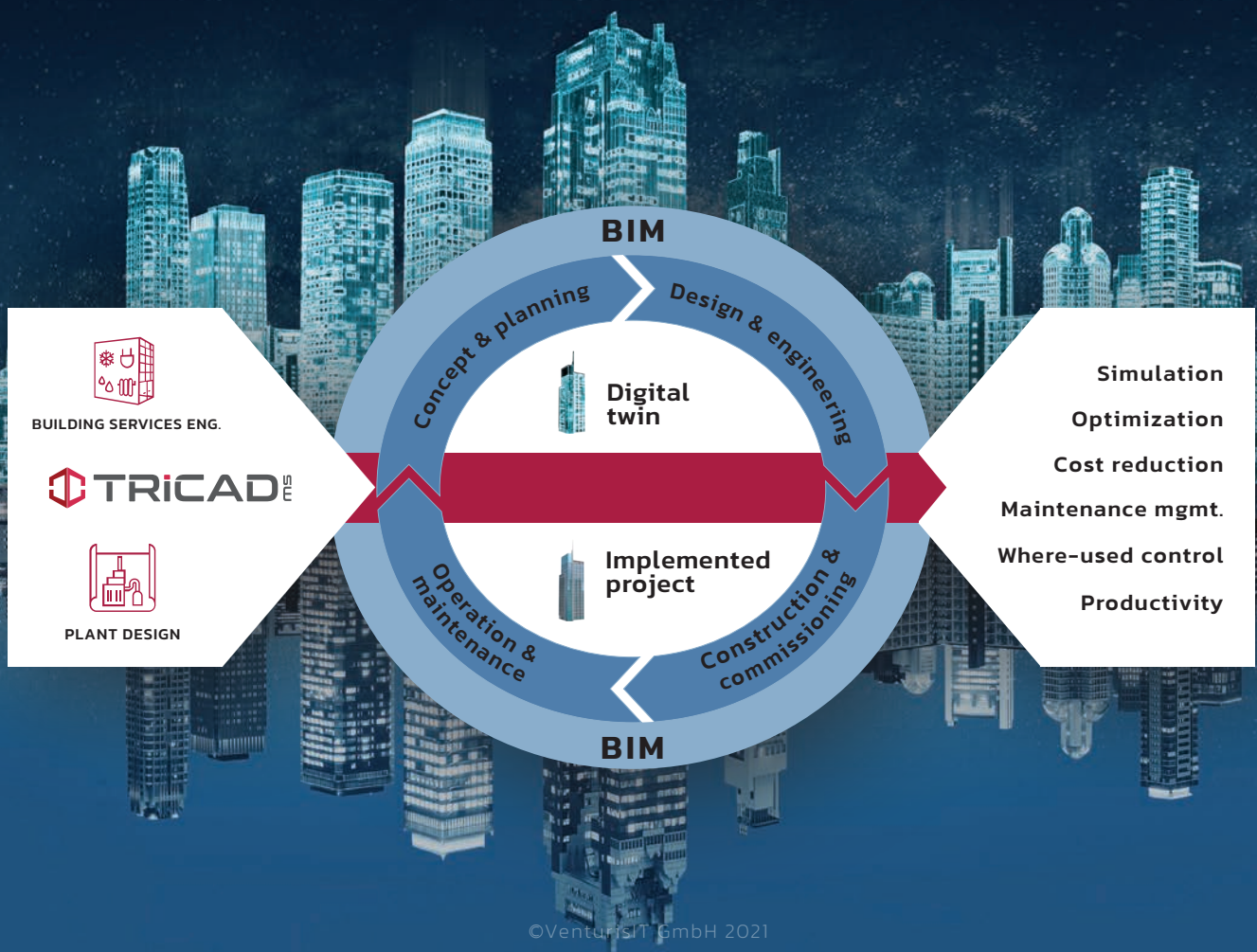
MIT TRICAD^{ms} YOUR FAST-TRACK TO DIGITAL TWINS

Consistency and agile design as the key to lifecycle optimization

TRICAD^{ms} is more than a 3D design tool: Thanks to its consistency, you can help shape every aspect of the lifecycle. Your designs with TRICAD^{ms} can be ideally integrated into static collaboration according to BIM standards. It provides complete data sets for the generation of a dynamic digital twin. Capture, update, and document data in TRICAD^{ms} – the design process focuses on the collective generation of information through concurrent working.

Interfaces and the shared design environments help you build your project on a solid foundation right from the start. Benefit from real-time data consistency at every stage of the design process. Thanks to digital twins, the time to understand dependencies is minimized. This adds transparency and quality to your projects, helps you deliver them on time and keep costs down

The Digital Twin as the Virtual Representation of the Project to Be Implemented (Physical Asset) Along the Lifecycle

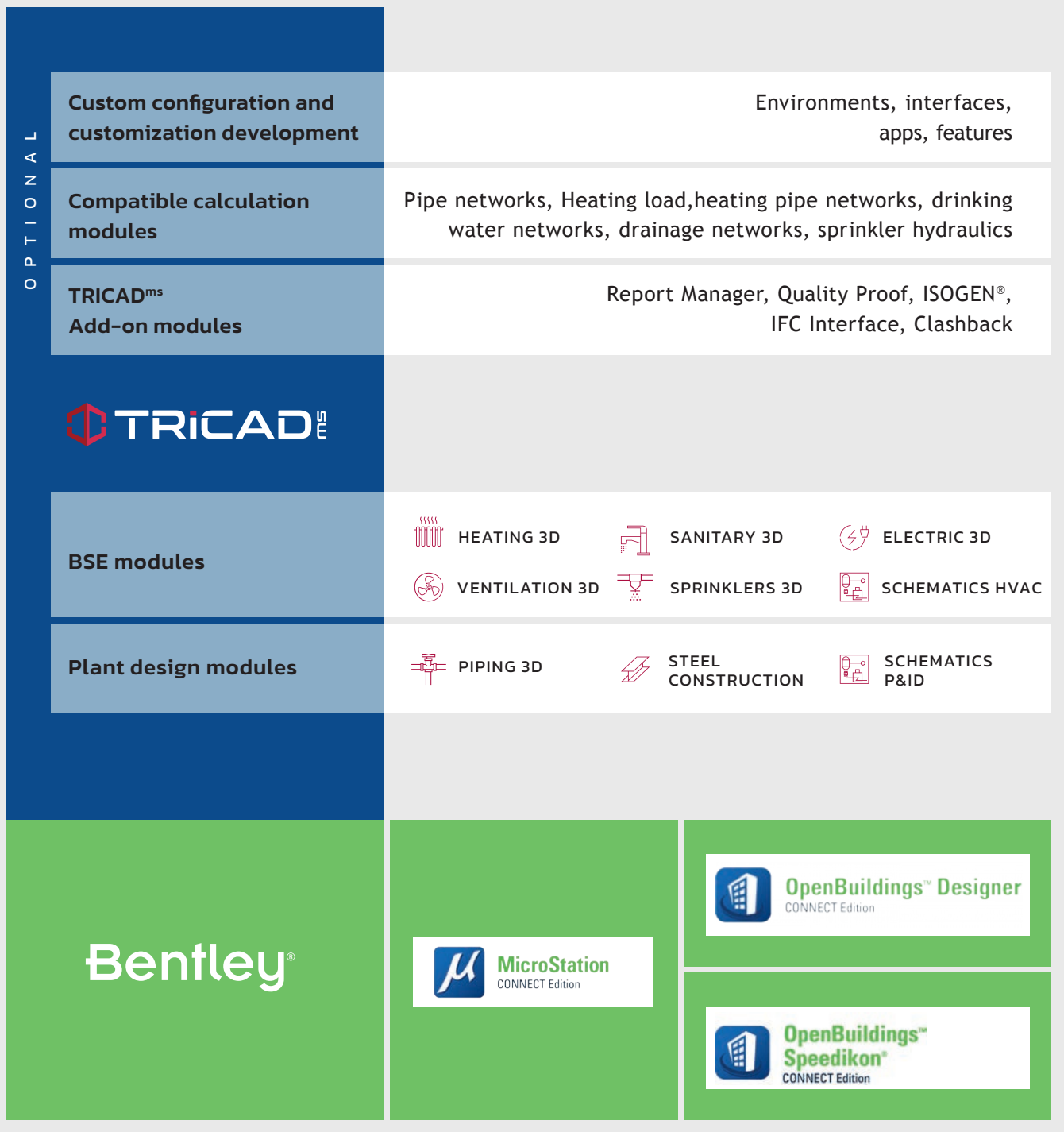




TRICAD^{ms} AND BENTLEY

A High-Performance Duo

Build your own TRICAD^{ms} based on Bentley platforms



HIGH-PERFORMANCE BENTLEY PLATFORMS – FINE TUNED BY TRICAD^{ms}



Whitepaper

10 reasons for TRICAD^{ms}

- ▶ Pay only for what you need by combining individually selectable modules
- ▶ Customizable to your needs and quality standards
- ▶ From data consistency to agile design with BIM to digital twins
- ▶ High levels of detail in the representation of virtual worlds
- ▶ Limitless design options to unlock limitless creativity
- ▶ Continuous innovation thanks to application-driven continued development of our modules
- ▶ Ticketless support system for immediate assistance
- ▶ Our engineers will support you throughout installation, project management, integration, and migration to new versions
- ▶ Customized training by application experts
- ▶ Benefit from almost 40 years of experience in building services engineering and plant design

10 Gründe für Bentley Plattformen

- ▶ MicroStation and OpenBuildings Designer are high end engineering tools
- ▶ A reliable basis for all your design, construction and operations projects
- ▶ Bentley BIM applications are based on the same comprehensive modeling platform
- ▶ Flexibility and performance for projects on time and budget
- ▶ Streamlined design and documentation – through the integration of tools, data, and teams for BIM and digital twins
- ▶ Comprehensive, easy-to-use 3D CAD modeling capabilities
- ▶ Robust, fast processing of large data sets
- ▶ Advanced management of extended attribute data
- ▶ MicroStation includes LumenRT for real-time visualization
- ▶ Ready for standard use without customizations

HOW TRICAD^{ms} MAKES LIFE EASIER FOR YOU

You will never want to do without these features again

Smart, Smarter, SmartContinue

This feature is designed to think ahead for the user to determine which component they will most likely need in their next step and makes it available to them proactively. This eliminates some 30 percent of screen travel and saves users many clicks, significantly speeding up their work and with it their profitability.

Room books for systemized overviews

Define room books exactly as they are needed for installation and maintenance. By specifying the intervals for inspection and replacement, sortable by rooms or disciplines, allocation tables can be generated, for example.



Shortcut to common parts

Designers try to use the same components from the same manufacturer wherever possible. For example, if certain shut-off valves are placed, the same shut-off valves will be automatically used in the designs.

Quality proof

With design files, you can check for your own rules (e.g. level assignment, colors, line types, line thickness, font type, text styles, etc.) or for the correct use of specified TRICAD^{ms} environments. After the check, the design file is stamped.