TRACE™ 3D Plus
Fast, Accurate Building Design & Analysis
Helping to Reduce the Energy Intensity of the World
**TRACE 3D Plus**

**High Performance 3D Modeling for Sustainability**
- Cloud functionality produces significantly faster simulation
- Simultaneous calculation & comparison of up to 20 alternatives
- Comprehensive energy modeling & economic analysis
- Demonstrates best options for carbon, renewable energy & cost savings

**Visually dynamic, intuitive workflows**
- Multi-story, multi-level floors and detailed roofing systems capabilities
- Integrated equipment selection for true as-built model simulation
- Intricate system and central plant designs
- EnergyPlus™ engine drives and substantiates accuracy

**Model Complex Buildings & Systems with Ease**
- View and validate architectural designs, HVAC systems in 2D and 3D views
- Built-in intelligence prevents potential modeling mistakes
- User interface designed for simplicity
- Guided experience matches real world design practices
TRACE 3D Plus
A new level of building design accuracy

TRACE™ 3D Plus is the next-generation building design and analysis software tool that delivers faster, more accurate results through a seamless workflow that closely aligns with today’s building design process. The latest HVAC systems and controls can be modeled quickly and precisely with the intricacies of current building applications. TRACE 3D Plus combines the U.S. Department of Energy’s EnergyPlus™ engine with Trane’s industry-leading systems expertise to help designers interpret and validate projects with clarity. All of these new features, along with a robust support team, help to get you up and running quickly.

Faster modeling process with visually dynamic workflows

TRACE 3D Plus allows you to move from project plan to load design to energy and economic analysis, all within the same project file. Import 3D models directly from CAD tools using Green Building XML (gbXML), or import and trace over floor plans using quick drawing tools. Easily create and validate your architectural design, HVAC systems and component libraries in 2D or 3D.

- Create schedules faster with graphical plotting and drag-and-drop features.
- Use pre-configured building themes and thousands of pre-loaded and scalable libraries and templates.
- Schematically configure systems and plants easily with built-in validations and intelligence.

Intuitive interface

Now you can simplify the complex modeling process with the highly adaptable platform that is customizable to your desired level of detail. Built-in systems knowledge provides early detection of potential problems in your design. Defaults are pre-programmed into the software to reduce errors and save valuable time. Graphic-rich reports communicate easy-to-understand information and insights for you to share with your project team.
Illustrates real-world complexities

Accurately model real-world designs, including renewable energy, radiant heating and cooling, and complex chilled and hot water systems, like those in mixed water and heat exchanger loops.

Reliable results

TRACE 3D Plus ensures greater equipment modeling accuracy by allowing you to import equipment data directly from Trane Select Assist™ or from spreadsheet performance data. Data Visualizer allows you to analyze models in tremendous detail, down to the time step, for hundreds of selectable variables.

World-class support

TRACE™ 3D Plus is sold as a Software as a Service (SaaS) package with annual license renewals. The world-class support that you have come to rely on is now more robust and offers even more ways to interact, including a searchable online knowledge database and in-depth online training. As always, it is backed by a team of support engineers to help you migrate to this new software program.

To learn more, visit Trane.com/TRACE3DPlus

or call C.D.S. at 608-787-3926 to talk to a Trane engineer.

Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a $14 billion global business committed to a world of sustainable progress and enduring results.