



Trane[®] BAS R'newal[™]

Renewing building controls today.
Empowering buildings for tomorrow.



Trane BAS R'newal

A building controls program for lasting business results



Trane® BAS R'newal™ is a building controls upgrade program designed to make existing building automation systems (BAS) more effective and to improve building performance, while leveraging the equipment you already have in place. With cost-effective options and open systems designed for flexibility and integration, Trane renews your system without the cost and inconvenience of a full replacement. Enjoy the immediate benefits of the latest technology while reducing the risk of your older systems letting you down.

Maximize productivity and effectiveness by utilizing valuable building information, which allows you to quickly see that systems are working in an optimized state. Bring your buildings into one consolidated building automation system — for more efficient management, reporting, control, and ease of use.

Trane is a true partner, bringing more than 100 years of HVAC equipment experience and 35 years of controls expertise into your building. Through long-term reliability and ongoing support, Trane helps ensure your system is properly maintained for continued efficiency and helps you plan a proactive approach to deal with your other BAS components, so you can run your buildings and not let your buildings run you.

Creating a path for the future

BAS R'newal is a comprehensive program that not only provides you with new technology, but also makes sure your staff is successful using this new technology to drive performance improvements and demonstrated results.

Assess your legacy system

The BAS R'newal program starts with an assessment of your current system to help prioritize your controls upgrade needs and create an affordable migration plan best suited to you.

Upgrade your technology

Next, Trane installs easy-to-use, open controls, allowing you to connect your existing equipment, so you can immediately take advantage of new capabilities such as wireless communication, Web-enabled access and remote mobile control. With your BAS R'newal technology upgrade, new possibilities exist such as 3-D graphics and customized dashboards that can transform your data into valuable insights to help you run your buildings better.

Improve performance

Once your new BAS is in place, Trane will help you make the most of your new investment by reviewing the current configuration and operation conditions to drive improved performance. Through the Intelligent Services connection, Trane will continuously monitor and analyze your HVAC and building automation systems and look for opportunities for continuous improvement. Trane is your partner throughout the process, helping to keep your building working its best.

Proactively address energy

Additionally, Trane will help you use your new building automation system to drive additional energy savings, by first understanding how your building compares with similar buildings and then by establishing a baseline condition to measure against. When available, Trane will analyze your energy data and provide guidance on how to make the most of identified opportunities.

Prove your results

Customer performance reports summarize how BAS R'newal has impacted your building and benefited your business in the past year. These reports also identify additional opportunities you can take advantage of in the upcoming year — for ongoing efficiency and performance — and include a migration plan and recommendations for both reactive “fix upon failure” scenarios as well as phased replacement using a proactive budgeting approach. These reports demonstrate what was reviewed and fixed throughout the year, as well as help identify new areas that can be addressed to drive additional savings.

Have peace of mind

With the benefits you receive from the entire BAS R'newal program, it's easy to envision the peace of mind you get from your investment. The program gives you upgraded technology that is fully supported for two years, and you'll receive a migration plan for the future. You can also be confident that your existing system is now working its best and that you have a team of experts standing behind you. The BAS R'newal program renews your system, helps your staff be successful and provides the support you need to drive continuous improvements to your entire building.



Versatile and powerful system upgrades

Trane® BAS R'newal™ provides open, flexible options for integrating existing equipment with new technology, so your buildings operate as efficiently as possible. Minimize cost and disruption to your business by planning an economical migration path for the future.



Fully utilize valuable data that lives in your building automation system.

Advanced analytics enable Trane to give you intuitive and actionable information that can provide early warning of potential system problems when they're easier and less costly to address.

Remote access anytime — from anywhere.

Web-based remote and mobile access means that information is easily viewed so that managing your building and keeping your occupants comfortable is easy. Complete browser support and a free mobile app allows you to operate building systems from virtually anywhere with a tablet or smartphone.

Work with your existing controls system.

Trane has created a portfolio of Tracer™ communication bridges that can open proprietary systems, leveraging your existing older unit controllers and integrating them with new technologies. Get immediate, enhanced building control and flexibility, coupled with the ability to cost-effectively manage the replacement of your existing system. These system improvements result in greater energy efficiency, comfort and sustainability.

Pre-engineered applications mean better building performance for you. With factory-installed and tested, pre-engineered applications from Trane, optimized applications are built into new Tracer products to deliver comfort with the highest level of energy efficiency, consistency and reliability.

Migration options fit your plans and budget.

Leverage the open, standard communications from Trane — including our industry-leading Wireless Comm — to help you economically replace failed unit controls with minimal disruption to your building's occupants. Trane has the knowledge and expertise to help plan your migration path — so you can replace or upgrade legacy controls over time, on a budget and schedule that best fits your needs. After providing you with a manageable migration plan, Trane can help make that plan a reality, with a variety of financing options.



Flexibility today, tomorrow and beyond

Tracer controls from Trane are built on open standards and provide communications bridges to unlock your current legacy system and allow connection with other systems, providing peace of mind and solutions that maintain flexibility in the future.

Open platforms offer flexibility

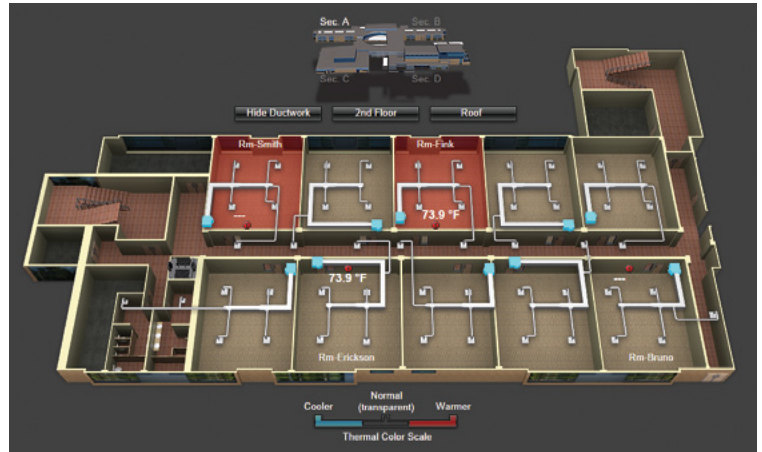
BAS R'newal provides an open system that offers multiple paths for replacement and upgrades in the future, which puts you in the right position for growth and expansion. This technology ensures compatibility and easy, affordable integration of other open systems.

Wireless communication technology

A new Tracer building automation system includes the industry-leading Trane Wireless Comm, which can save money in maintenance and operating expenses and allow more freedom in future expansion or changes. Eliminating the need for wires and wired units throughout your building means quick and easy installation with less disruption for your business and building occupants. And it allows you to replace individual equipment controllers upon failure. Trane Wireless Comm is the first ZigBee® Certified building automation system on the market, so your system is positioned to be as open as possible for maximum choice now and in the future.

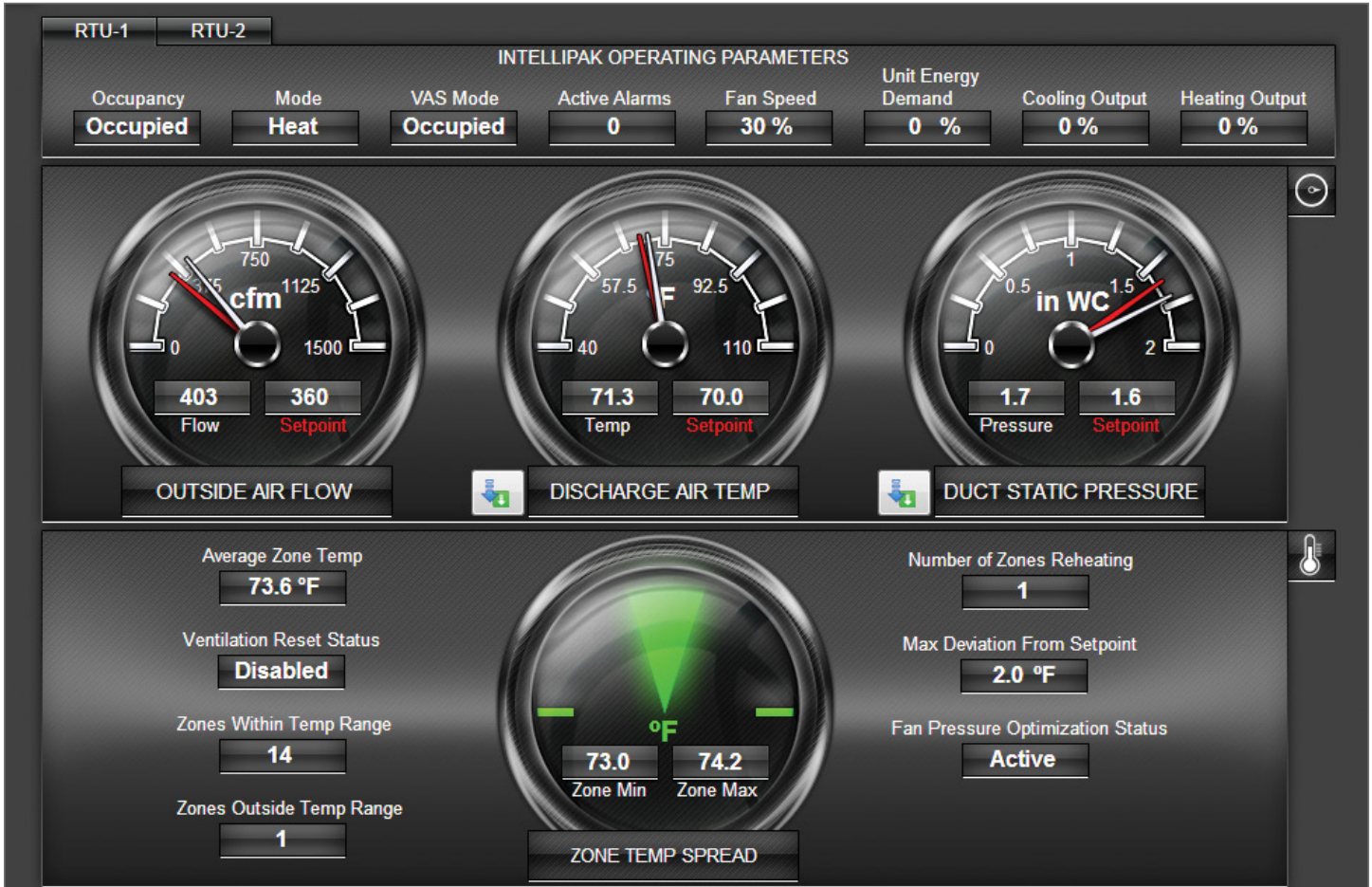
Integrate information and systems

When your system communication is based on open, standard protocols, multiple sources of information can be used together to operate your buildings and systems more intelligently and effectively. Trane BAS R'newal provides a path to integrate multiple buildings and systems — even tying existing systems together with new HVAC and non-HVAC systems — for more efficiency, improved comfort and better serviceability. A single interface — providing a single view of your operation — eliminates the need to access multiple systems, improving overall performance and efficiency, while also reducing ramp-up and training time for your staff.



A new window into your operations

An easy-to-use single interface promotes user productivity, reduced training and improved troubleshooting, resulting in a more productive work force and more efficient building operations.



- Get easy access to key reports and dashboards that simplify complex system operation and make it easy to quickly assess system status.
- Customize what you see about facility performance and efficiency, and choose the information that gets reported for each building.
- Task-based navigation and custom graphics will guide you through each building in your enterprise, just as if you were walking down the hallway. Customized 3-D graphics and animation make it seem like you are standing right in front of a piece of equipment — even when you are sitting at your kitchen table.
- Whether you have a single building or a complete enterprise portfolio, Trane® BAS R'newal™ provides a new window into your information for easier and more efficient building management.

Together, we'll renew your today and empower your tomorrow

Technology continues to change at an increasing pace, and building automation systems are no different. It's never been easier to manage buildings and upgrade systems for increased energy efficiency and improved performance.

Trane BAS R'newal is a flexible, cost-effective program that allows you to take advantage of new technologies — such as Web-enabled controls, mobile access and wireless communication — while still maximizing your existing assets and resources.

These advanced technologies allow us to capture more building data — and to better understand and apply that information — than ever before, driving better building performance and higher levels of control. The value of BAS R'newal is in how the entire program works together to proactively approach your aging building automation system to drive building and energy performance that reduces your costs and improves occupant comfort.

With decades of experience, Trane has the expertise and knowledge to identify the solutions that best meet your needs.

Manage your buildings better today and position your building for the future — and whatever the future brings — with Trane as your trusted partner. Make your buildings operate better for life with BAS R'newal.



A free mobile app allows you to operate building systems from virtually anywhere with a tablet or smartphone.

Visit Trane.com/BASRnewal or contact your local Trane account manager to learn more.

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Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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