Intelligent Variable Air Systems
An EarthWise™ System from Trane

The smart and efficient choice for upgrading your building
How will you compete?
There can be many challenges to owning and maintaining commercial properties. HVAC systems can add to those challenges—or help solve them.

Trane® EarthWise™ Intelligent Variable Air Systems were developed with your challenges in mind. They can be the right solution to a building’s HVAC needs, delivering not only 20 to 30 percent more efficiency, but also the comfort your tenants demand. Both of these benefits can increase your building’s occupancy level—and you can enjoy these benefits with less up-front cost than you might expect.

These advanced systems can be specified in new construction projects or used to upgrade existing VAV systems. Retrofits are designed to be quick and easy with minimal disruption to tenants, thanks to Trane Wireless Comm technology, retrofit dampers and pre-packaged controls.

Trane EarthWise Intelligent Variable Air Systems help make your buildings better for life — and are a smart solution for more comfortable buildings with happier tenants.

VAV: Yesterday to today
For decades, VAV systems have provided a solution for managing changing conditions in an office space. But today, there’s more need for flexible office spaces with changing working conditions, which adds to the pressure to provide tenants with maximum comfort—while minimizing energy use and utility costs.

Trane can deliver both comfort and energy efficiency in addressing a wide range of indoor conditions using advanced digital controls that provide more responsive and precise operation than older VAV systems. These controls benefit from unique Trane algorithms that intelligently direct system operation for the comfort tenants expect—with the energy savings you want.

A more comfortable building is a fully occupied building
A reliable, trouble-free Trane EarthWise Intelligent Variable Air System can help keep tenants comfortable, improving productivity and reducing hot/cold complaints and tenant turnover. Easy-to-understand dashboards give your operations team the essential information it needs to proactively solve problems before tenants are affected; for even more peace of mind, Trane Intelligent Services can provide 24/7 remote monitoring, as well as continuous systems analysis, to help maintain the highest level of performance. These advantages can build life in your property — and help it compete in the decades ahead.
Are you getting enough from your current HVAC system?

Upgrading your VAV system is easier than ever
If your current VAV system isn’t delivering enough comfort or energy efficiency, upgrade to a Trane EarthWise Intelligent Variable Air System. We can make the process easy and affordable.

- **Retrofit-friendly VAV dampers** lower installation costs and simplify upgrading existing, older VAV terminal units—or upgrading existing constant-volume systems to VAV systems. Relay kits allow reuse of the existing heating coil and/or terminal fan; only the controls and damper are changed.

- **Factory pre-packaged controls** allow faster, smoother installation and commissioning without the inconsistencies of custom programming—and allow on-site programming flexibility, too.

- **Trane Wireless Comm technology** speeds project completion and increases reliability. For retrofits, this can mean less disruption to building tenants—and easier system modifications in the future.

- **Interactive, easy-to-read operator dashboards** show system performance and efficiency data at a glance. Supported by thorough documentation, they take the mystery out of how your system is performing, so that you and Trane can keep it running optimally over the system’s lifetime—and quickly make proactive changes when necessary.

An HVAC solution that’s easy to live with—today and tomorrow
Trane EarthWise Intelligent Variable Air Systems are designed and engineered to be easier to install and also easier to keep running at peak performance and efficiency. Integrated controls optimize system functionality, while data-rich displays show important operational statuses—to help keep your new Intelligent Variable Air System working like a new system year after year.

- **Tracer™ SC system controller**—Coordinates and optimizes the HVAC system’s operation. Programmed with exclusive Trane algorithms for maximum performance and efficiency, the Tracer SC system controller is fully compatible with Trane Intelligent Services for optional 24/7 off-site system monitoring and response.

Manage and monitor on the go—To gain new freedom while maintaining a higher level of control, the available Tracer BAS operator suite allows you to control building systems from virtually anywhere using a PC, tablet or smartphone. Whether you’re down the hall, down the block, or halfway around the world, this mobile app allows you to:

- Monitor equipment
- Make setpoint changes
- View dashboard graphics
- Control spaces
- Manage alarms

*The Tracer BAS operator suite is compatible with Apple and Android™ devices.*
Ingersoll Rand (NYSE:IR) advances the quality of life by creating and sustaining safe, comfortable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Schlage®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; secure homes and commercial properties; and increase industrial productivity and efficiency. We are a $14 billion global business committed to a world of sustainable progress and enduring results.

Scan the code or go to Trane.com/iVAS to learn more about Trane® EarthWise™ Intelligent Variable Air Systems.