Energy consumption and its effect on the environment has become one of the world’s most pressing challenges. More than ever before, organizations are paying close attention to their carbon footprint and how their buildings’ energy use impacts the environment. Organizations are setting climate and environmental goals to lower emissions and drive efficiency, and they are looking for partners with the right smarts and technologies that will help them meet their goals. Trane is prepared and ready to help by offering customers solutions within the Ingersoll Rand EcoWise™ portfolio of products, which are designed to lower environmental impact with next-generation, low–global warming potential (GWP) refrigerants and high–efficiency operation.

**Industry challenges**

- **Performance and sustainability** — Increasingly stringent energy efficiency requirements continue to create a need for building systems, technologies and products that will help businesses improve the efficiency and performance of their buildings.
- **Environmental impacts** — Commercial, residential and industrial buildings are responsible for 47% of global greenhouse gas (GHG) emissions and 49% of the world’s energy consumption. HVAC systems are one of the largest contributors to both, which is necessitating systems and products that can lower a building’s carbon footprint and provide climate-friendly returns.
- **Total cost of ownership** — Increasing demand for more efficient building designs that lower annual energy use, reduce utility bills, and provide the lowest cost of ownership is a primary driver in the building sector.

**Addressing industry challenges**

- **Using a balanced approach** — Ensuring a balanced approach to safety, reliability and efficiency is fundamental to providing sustainable building solutions. Trane is dedicated to developing new technologies and products that balance both performance and sustainability goals without compromising safety, reliability or efficiency.
- **Improving industrial productivity and efficiency** — Lowering the environmental impact of HVAC products and helping customers achieve performance and sustainability goals is a fundamental driver for Trane. Through a focus on product development and the creation of unique operational solutions, Trane is reducing a building’s environmental footprint, increasing its efficiency, and ultimately lowering GHG emissions.
- **Implementing energy-efficient system design** — Designing the industry’s most reliable and energy-efficient systems and linking them with connected energy management solutions means Trane can achieve long-term reductions in energy consumption. This focus enables Trane to optimize the operation of the whole system, which helps reduce the total cost of ownership.
Products

- The EcoWise™ portfolio of products are designed to lower environmental impact with next-generation, low-global warming potential (GWP) refrigerants while also increasing the energy efficiency of the building.
- Trane® Performance Climate Changer™ air handlers offer the most comprehensive portfolio in the industry. Trane custom air handlers are designed and built to meet the most exact specifications for size, shape, components, materials and performance.
- Trane® ProSpace™ ductless solutions offer a comprehensive range of systems and sizes that address customer needs for products and services that are efficient and reliable and can be applied to both single- and multi-zone applications. Trane ProSpace ductless systems provide customers with a variety of control options and features.
- Trane® Precedent™ light-commercial rooftop units with eFlex™ technology combine innovation with reliability and performance to provide building owners the efficiency needed to lower annual energy use and reduce utility bills for the lowest cost of ownership.
- Trane® Foundation™ rooftop units offer an affordable solution by including only features that are essential for dependable heating and cooling. This provides building managers with a lasting combination of performance, efficiency, reliability and value that fits their budget and reduces the impact on their bottom line.

How Corporations Are Tackling Climate Change