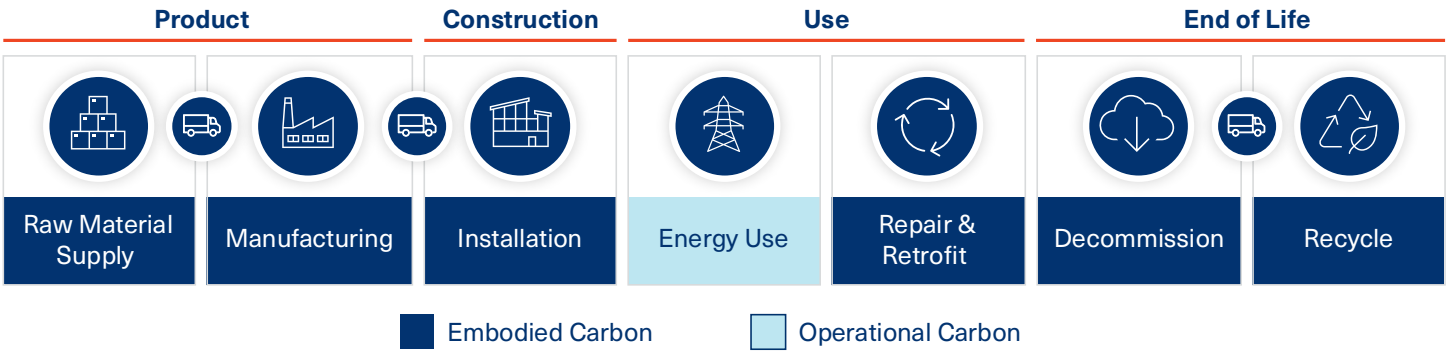
Embodied Carbon

The Next Phase in Building Decarbonization

We've made great strides helping to reduce buildings' operational carbon through the application of Trane® equipment, controls and connected services. By focusing on technologies for improving energy efficiency, innovations in heating electrification and the transition to low-GWP refrigerants, Trane is helping buildings along the journey to net zero.

Now, it's time to increase the focus on embodied carbon — emissions associated with a product's life cycle outside of product use, including the extraction of raw materials, manufacturing, transportation and recycling of materials and products. Trane's sustainable solutions consider carbon from beginning to end — and all the working days in between.



Your goal is to remove emissions from buildings. Our job is to make that a little easier.

Trane® is documenting the full life cycle embodied carbon of our products. We can provide EPD or TM65 documentation bringing transparency to our most-specified products, and we are actively adding more.

Embodied carbon of MEP products can be disclosed via the following methods:

Environmental Product Declaration (EPD) reporting summarizes the results of a detailed product life cycle assessment, providing data in line with product category (PCR) rules and adhering to ISO Life Cycle Assessment standards and documentation. EPDs are third party verified.

TM65 is a high-level, interim form of documentation created specifically for measuring embodied carbon of MEP products. TM65 can be used while we complete deeper EPD analysis. It is an internationally recognized methodology for calculating embodied carbon in buildings published by CIBSE, with a North American addendum recently published by ASHRAE.

For applicable products, EPDs are available on Trane.com product pages.

TM65 disclosures are available upon request from your Trane Account Manager.

Achieve carbon equilibrium.

By providing operational *and* embodied carbon data, Trane can help you analyze and understand the tradeoffs and benefits of various system options. When you're not certain, we can guide along the decision path to achieve the right goals for your projects.

Our progress adds to your progress.

Ultimately, lowering the embodied carbon of Trane products reduces the overall embodied carbon of your projects. We have committed to reducing our embodied carbon by 40% by 2030.

Our actions include:

- Manufacturing our products using materials with higher recycled content when possible. In 2023, 45% of key commodities (such as steel, aluminum and copper) contained recycled content.
- Sourcing more low-carbon steel and supporting emerging green steel-making technologies. Today, over 20% of our annual steel purchases are low carbon.

  In 2022, Trane Technologies established groundbreaking purchase agreements with two major U.S. steel manufacturers to procure low-carbon steel. Less than one year later, the company shipped more than 1 million HVAC units, including high-efficiency heat pumps and air conditioners, with low-carbon steel to commercial customers and homeowners across the U.S.
- Embracing a philosophy of circularity with services aimed at extending the use of materials that go into our products, such as Connected Services and R'newal®.

Increasing focus on embodied carbon is the next step in sustainable systems and building decarbonization.

Trane is joining you on the journey.

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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