

CLIMATE AT TK ELEVATOR

How TK Elevator applies sustainability to elevators

Climate and Elevators

We were recognized in the acclaimed A-List of the Carbon Disclosure Project (CDP) for a fourth consecutive year



1

Classically accounted as own emissions

Direct emissions of own assets

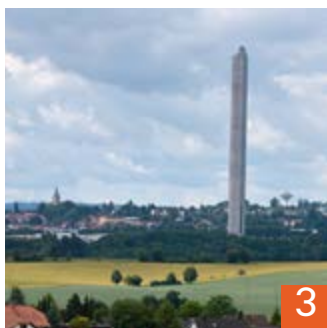


2

Indirect emissions from electricity consumption

Scope 1 & 2: Target

Reduce Scope 1 and 2 emissions by 53% by 2030, relative to 2019.



3

Upstream Indirect emissions from upstream supply chain



3

Downstream Indirect emissions from customer product use

Scope 3: Target

Reduce Scope 3 emissions associated with the use of our products by 23% by 2030, relative to 2021.





ABOUT OUR FACTORY

TK Elevator's factory was built in Middleton, Tennessee 1969 and has added four major construction additions since the factory opening. TK Elevator factory has earned LEED® Existing Building for Operations and Maintenance Gold certification. That's nearly 700,000 square feet of LEED Gold.



Getting Gold

Our factory scored 63 out of possible 110 points. This earned us Gold certification, the second highest LEED classification in 2015. In our certification we replaced nearly 1/2 of our roof coating for more reflectivity, created native open space, and lowered our energy demand.



Low Carbon Manufacturing

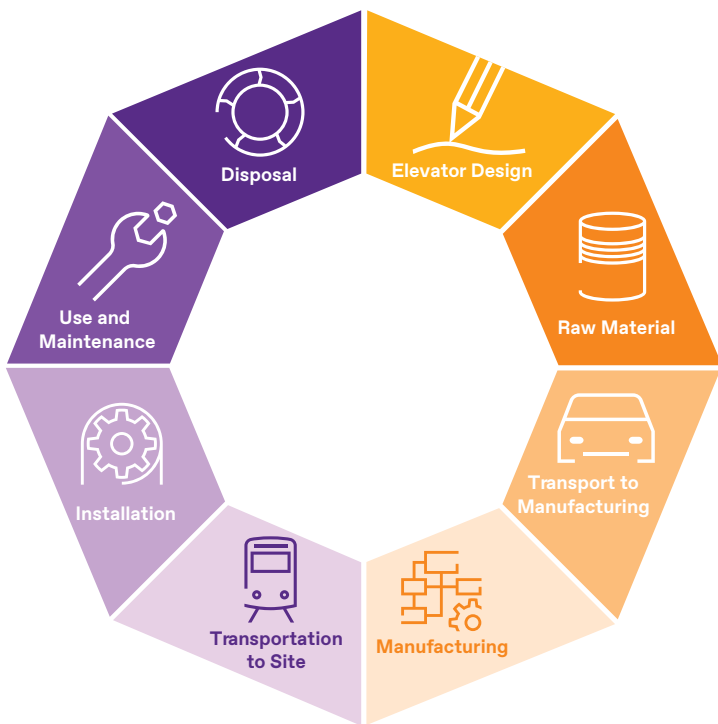
TK Elevator is one of a few companies participating in the Department of Energy's Better Buildings, Better Plants Low Carbon Pilot. We are partnering with the DOE to lower our carbon emissions in our manufacturing plant.



LEED & Well Professionals

TK Elevator seeks to lead the way in knowledgeable professionals willing to help our customers. We have LEED Accredited Professionals, more than 200 LEED Green associates and WELL Accredited Professionals. We are dedicated to offering the best support for your LEED and WELL projects.

ELEVATORS AND CARBON



We have long been studying and improving both our embodied and operational carbon through Environmental Product Declarations (EPD). TK Elevator was the first elevator company to publish an EPD in 2017 and has performed Life Cycle Assessments for more than a decade. We have a full product lineup with EPDs to help you compare the operational and embodied carbon of elevators.

Embodied Carbon

Our full suite of EPDs reviews embodied carbon of elevators from raw material, shipping, manufacturing in our LEED Gold facility, transportation and installation.

Operational Carbon

Use and maintenance phases are considered in our EPDs for all our products that complete the full cradle-to-gate scope of our life cycle assessments.

MATERIAL TRANSPARENCY AT TK ELEVATOR



Material Transparency means gaining trust; the trust of our customers and their end users. When we openly and voluntarily share all materials we use to make our products, we make our consumers feel empowered and knowledgeable about their purchases. We earn their trust and forge stronger relationships.

EPD[®] Environmental Product Declaration (EPDs)



TK Elevator has a full suite of EPDs for our products.



Health Product Declaration (HPDs)

TK Elevator was the first to publish an HPD in 2015 and was a founding member of the Health Product Declaration Collaborative. We have HPDs for full products. Our HPDs disclose at the 1000 ppm level required by LEED[®], a tough feat for an elevator with over 10,000 pieces and parts.

Declare.™ Declare

TK Elevator is the only elevator company to offer Declare labels for your Living Building Challenge products.

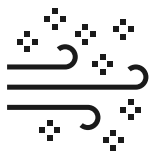


BUILDING TRUST



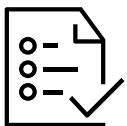
Environmental Product Declaration (EPDs)

EPDs don't determine if a product is environmentally better than another. You make that decision for yourself. EPDs share the environmental impact of a product. Things like, how much waste is created to build a product, how much pollution is released and what's the life expectancy of the product. This way, consumers can look at similar products and make an informed decision about what's best for them.



Health Product Declaration (HPDs)

Most people don't enjoy inhaling toxins, especially without their knowledge. HPDs show the ingredients of building materials and their potential health effects in a standard format. This makes decision-making for builders easier.



Declare Label

The label streamlines information for the tough new Living Building Challenge standard and answers three questions:

- Where does the product come from?
- What's it made of?
- Where does it go at its end of life?

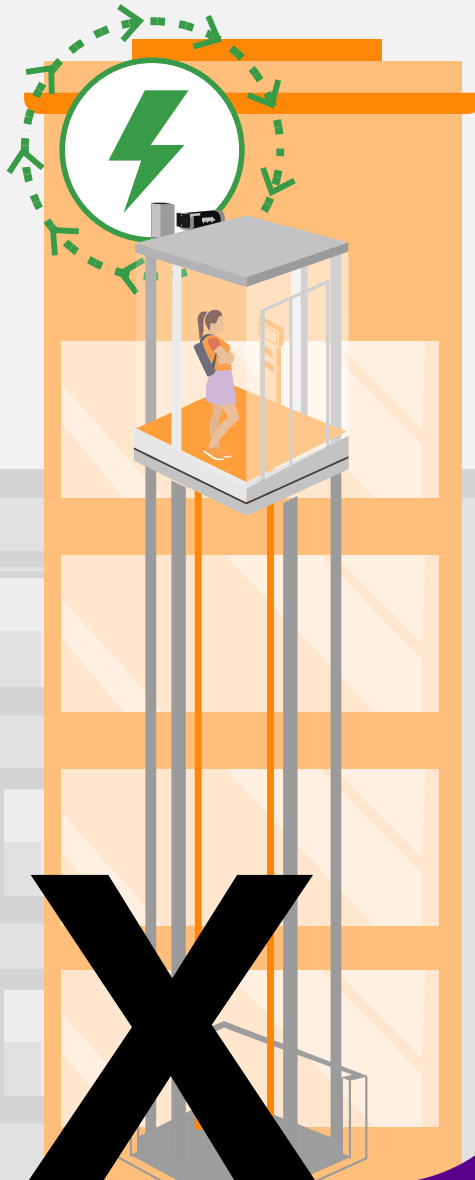
After a company has thoroughly answered those questions and has been awarded the label, it's entered into a free database. When someone – a designer, for example – looks up a product, the complex chemical analysis and raw material source location information of the product is presented in an easy-to-use nutrition label format.

THE SUSTAINABLE CHOICE

EOX saves energy and causes fewer emissions. In fact, it is the most energy efficient elevator in our portfolio and uses up to 45% less energy than our previous low-to mid-rise offering.

REGENERATIVE DRIVE

A VVVF regenerative drive is standard so you can recoup energy for other elevators or building systems when gravity is doing the work in lieu of the elevator motor.



EOX



UNIQUE ECO MODE

In addition to the standard sleep and stand-by modes, EOX has an eco-mode. It “learns” traffic patterns in the building, and adjusts accordingly. During low traffic times, the elevator’s speed and acceleration are reduced. An active eco-mode status is highlighted to passengers in the cabin display.

WE’VE REDUCED EMBODIED CARBON BY UP TO



Through material selection and reducing the cab weight by nearly 20%.

SUPPORTIVE

We have more than 200 accredited LEED Green Associates and BREEAM Associate Experts to help obtain green certifications.

TRANSPARENT

Like our products for all building types, an Environmental Product Declaration (EPD) and (HPD) have been published.



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