

Regenerative Drives

Reducing impact through innovation

Our regenerative drive technology increases energy savings by capturing power that is generated but unused and transferring it back into the building's electrical grid.

Each time an elevator is in use, energy is needed to raise or lower the cab, but when a cab is moving, the force of gravity and friction actually generates energy. Unfortunately, in older elevator systems, this created energy is dissipated in the form of heat into the machine room — increasing your cooling costs.

Elevators equipped with regenerative technology can now feed that energy back into your building, decreasing cost and increasing your building's efficiency. Similar to hybrid automobiles, energy is generated when the motor is in braking mode. This generated energy can be fed back into the building as clean energy.

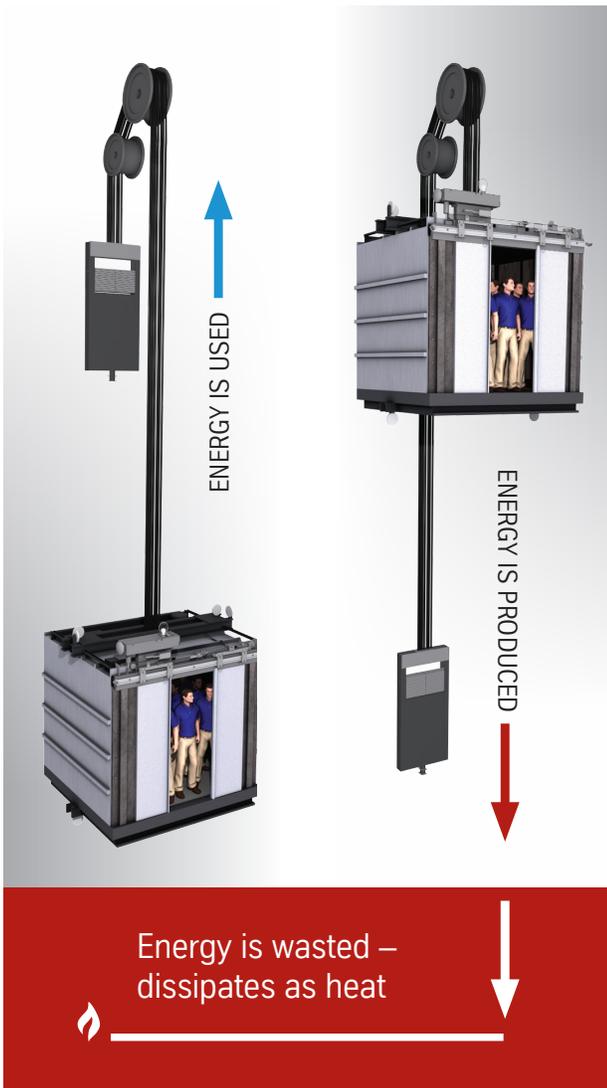
At ThyssenKrupp Elevator, we believe regenerative drive solutions are good for business.

Installing a ThyssenKrupp Elevator drive system with extremely low voltage and harmonic distortion can help protect sensitive electronic equipment in your building.

Our drives also produce so little radio frequency interference (RFI) that they create virtually no disruption to today's most sophisticated and sensitive electronic technologies.

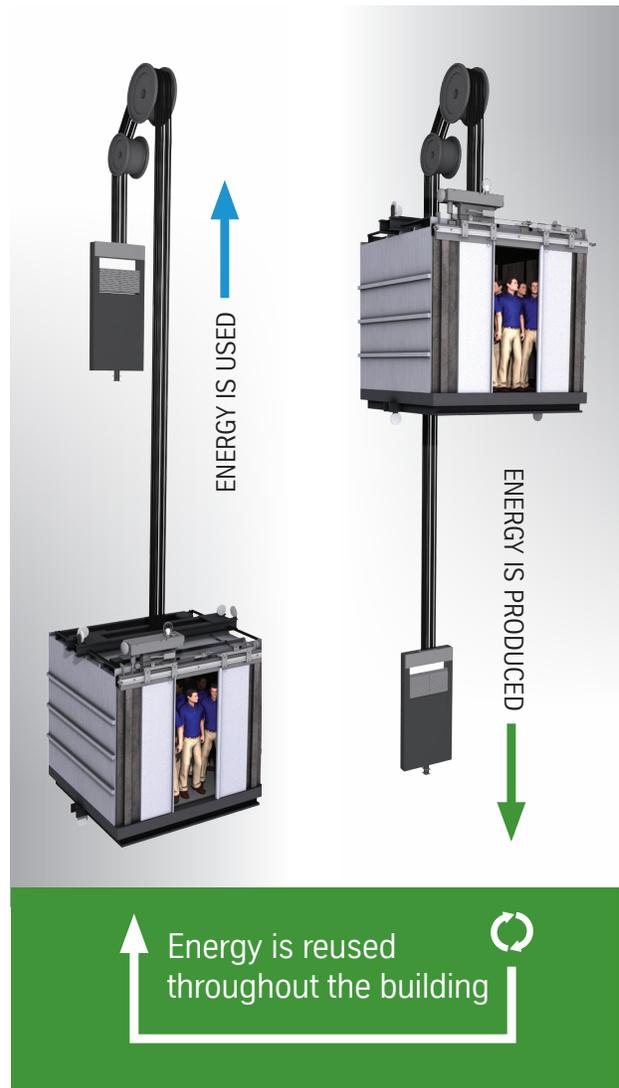


REGENERATIVE DRIVES



System Without Regenerative Drives

When a loaded elevator rises, energy is needed. When the machine lowers a loaded cab, the force of gravity generates energy. Without regenerative drives, this energy dissipates in the form of heat into the machine room.



System With Regenerative Drives

With regenerative drives, the energy generated by lowering the loaded cab is captured and reused throughout the building — saving energy costs and helping you fulfill your building's goals.

