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.
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.

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