

SUSTAINABLE  
SOLUTIONS

FOR

EXISTING  
ELEVATORS AND  
ESCALATORS

AND

**ThyssenKrupp Elevator**  
Americas Business Unit



ThyssenKrupp

## OUR COMMITMENT



ThyssenKrupp Elevator's journey towards sustainability has shown us that we can address today's needs without compromising the needs of future generations. Our ability to address industry requirements through the development of sustainable products and practices and achieve our own goals through reductions in material use, energy and waste, encourages us to see where this journey can take us.

ThyssenKrupp Elevator recognizes the great potential for reducing the environmental impact of existing elevators through modernization and upgrades. Upgrade opportunities come in many packages which can increase energy efficiency, reduce toxins and eliminate unnecessary waste.

## SUSTAINABLE SOLUTIONS INCLUDE:

### **Microban® Antimicrobial Protection**, Keep Microbes off your elevator buttons!

The use of antimicrobial technologies can help make signal fixtures greener by protecting them against the damaging effects of bacteria, mold and mildew. Fixtures that stay cleaner and fresher for longer periods reduce the environmental impact caused by more frequent cleaning and product replacement.

ThyssenKrupp Elevator and Microban, the foremost leader in antimicrobial technology, have entered into a mutually exclusive agreement to provide elevator signal fixtures manufactured with Microban protection. Available only on our polycarbonate buttons, Microban antimicrobial protection resists the growth of odor and stain causing bacteria. Because Microban technology is built-in during the manufacturing process, it won't wash off or wear away, giving you durable antimicrobial protection that lasts.

### **Biodegradable Hydraulic Oil**

Designed to minimize environmental impact, ThyssenKrupp Elevator utilizes inherently biodegradable oil, on certain applications which meets the low acute toxicity criteria of the U.S. Fish and Wildlife Service and the U.S. Environmental Protection Agency for fish and invertebrates. This product is not formulated with common, metal-containing performance additives that can persist in the environment.

### **LED Lighting**

LED lighting packages are available for a variety of applications. LED lights offer up to 80% energy use reduction, reduced heat loss and increased life span in some cases up to 10-years per light. They also contain no mercury or ultraviolet light which can over time cause damage to some elevator cab interiors.

### **Econolight™**

Conserve energy while your elevator is idle with Econolight. Econolight is a sustainable solution that eliminates approximately 60% of wasted energy in an idle elevator. Econolight is designed to turn the lights OFF in the cab when the elevator is not in use. Econolight is compliant with national codes and tied into a timer that extinguishes the lighting when certain criteria is met. Econolight may also be attached to the cab fan to conserve additional energy by shutting it off when the elevator is not in use. With Econolight, energy use could go from 24-hours a day to as little as 9.5 hours a day, reducing CO2 emissions by 193,000 tons per year.

### **Motor Efficiency Controller**

Reduce energy costs with Motor Efficiency Controller (MEC), a power-saving device with E-Save Technology™ that continually monitors and applies the exact current needed to keep the motor running at full speed. The MEC eliminates peak over-currents and potential overload because it senses when the motor needs to turn itself off. It also eliminates sudden power surges, reducing an escalator/elevator system's impact on the electrical equipment within the building.

## Regenerative Drives

ThyssenKrupp Elevator offers regenerative drives as a way of transferring unused power back into the building's electrical system to be used by other electrical equipment in the building. Instead of buying power from the electric company, the building consumes the power generated by the elevators; power that would traditionally be dissipated via heat into the machine room. With the regenerative drive, costly traditional cooling of the elevator machine room is eliminated.

## Destination Dispatch®

ThyssenKrupp Elevator's Destination Dispatch increases the efficiency of any elevator system. Destination Dispatch allows passengers to travel to their destination faster, more conveniently and improves handling capacity by 15-30%. Therefore, fewer elevators are needed and empty car operations are reduced.

# THYSSENKRUPP SUSTAINABLE SERVICE SOLUTIONS:

## VISTA® Remote Monitoring

VISTA Remote Monitoring is a communications device installed in the ThyssenKrupp Elevators' controller cabinet to relay an ongoing stream of event information to International Technical Services-Americas, often before a customer realizes there is a problem. Critical elevator events are immediately forwarded to the local sales office for appropriate action. VISTA reduces unnecessary trips to the site by alerting the local office in advance of possible concerns before they become a critical issue.

## VIEW®

VIEW is a diagnostic tool that allows customers the ability to monitor their elevator(s) service activity from a secure website. The web-based system allows customers to create reports tailor-made for their specific needs at their convenience anytime from anywhere. VIEW eliminates papers tickets because service technicians update their PDA devices electronically.



## TKPlan

To help our customers better understand the potential for energy savings and reduction through upgraded technology, ThyssenKrupp Elevator has created TKPlan. TKPlan is a consultative approach where all aspects of your vertical transportation system are evaluated and sustainable solutions are suggested.

ThyssenKrupp Elevator is proud of our commitment to sustainability and looks forward to creating partnerships to make the world we live in better than we found it. Contact your local ThyssenKrupp Elevator Account Manager for more information on products at 877.230.0303 or visit [www.thyssenkruppelevator.com](http://www.thyssenkruppelevator.com). For questions on Sustainability contact Sasha Bailey at 972.624.7185 or [sasha.bailey@thyssenkrupp.com](mailto:sasha.bailey@thyssenkrupp.com).



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