

Elevator Back-Up System to Save Lives

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Mitsubishi Electric has developed the back-up control software to eliminate the risk of getting stuck halfway between floors in elevators. Elevators will arrive at the nearest floor to evict passengers from cars by activating Back-Up System in case of emergencies including power cut, earthquake etc.

As the largest elevator manufacturer in Japan, Mitsubishi Electric has designed Back-Up System to eliminate the risk of mortality in elevator accidents to a great extent.

Being the first brand to apply VVVF Inverter Control Technology, Mitsubishi Electric adjusts speed control with voltage and frequency deviation by means of this system applying inverter to speeds ranging from the lowest to the highest in order to ensure a much softer navigation. Back-up control software available in Mitsubishi Electric elevators eliminates the risk of getting stuck halfway between floors in elevators in addition to evicting passengers from cars with the help of a second Back-Up System in case of any breakdown in control panel.

Mitsubishi Electric Turkey officers indicate that Back-Up System is a standard feature available in all elevators which are highly appreciated in Turkey and the rest of the world: "The elevators are acknowledged as the best elevators in the market for their smooth operation with the lowest rate of failure in the industry. "

Mitsubishi Electric minimized failure rates in elevators thanks to the advanced technology, high-quality production stocks, qualification in assembly processes and after-sale services. The elevators come with a significant cost advantage in that they do not require modernization activities for 20-25 years."

Creating difference in the industry with its back-up control software in addition to high level of safety hardware and software, Mitsubishi Electric also leads the elevator industry for "travelling comfort, quality, and silence".

ARTIFICIAL INTELLIGENCE TECHNOLOGY

Mitsubishi Electric manufactures elevators with the specially developed A1 Supervisory System, an updated version of Supervisory System meant to promote operational efficiency and increase customer satisfaction. The system stores the existing traffic flow in computer media and minimizes lead times accordingly to ensure smooth services with minimum power consumption.

ENERGY SAVING UP TO 35 PERCENT

Equipped with fixed magnetic field gearless engines, Mitsubishi Electric elevators depend on smaller, energy saving gearless actuators that are known for consuming less energy. The energy saving mechanism also eliminates noise and vibration even in ultra speeds to ensure safe and smooth navigation comfort. Mitsubishi Electric elevators are also recognized for silence operation below 50 db in addition to being environmentally friendly in that they do not require lubrication.

The engine of Mitsubishi Electric elevators equipped with Regenerative Control Panel generates power as a full car goes upstairs or an empty car goes downstairs. The thermal energy that comes out in the elevators is fed to the power system of the building in the form of electric power. The system provides energy saving up to 35 percent when compared to conventional elevators in addition to reducing harmonic currents and CO2.