GL-POWER

Gearless modernization
Aging gearless elevators can decline in performance, creating a negative perception of your high-rise building. The elevators can also significantly increase your building’s energy costs.

Our GL-Power solution includes gearless machine technology and a permanent magnet AC motor, providing significant performance enhancements and energy savings. You’ll feel the improvements the first time you step into your elevator.

**GL-Power performance package overview:**

1. **TAC series controller**
   Our digital controller increases your elevator’s reliability, reduces wiring and optimizes efficiency. The controller also includes:
   - An advanced 32-bit microprocessor
     Automatically adjusts the controller to high-traffic demand, helping improve your elevator’s energy efficiency.
   - VVVF AC regenerative drive
     Captures unused energy created by your elevator and feeds it back into the power grid.
   - Absolute positioning system
     Precisely measures your elevator’s speed and positioning. This promotes accurate floor stopping, so floors are level and passengers are safe.
   - Load weigher technology
     Eliminates stops when the elevator is fully loaded, improving ride efficiency.
   - Non-proprietary user interface tool (UIT)
     Provides easy access to diagnostic equipment for adjusting, maintaining and troubleshooting your elevator.
   - MAX
     Provides real-time, cloud-based predictive maintenance, which increases your elevator’s uptime.

2. **Machine**
   The advanced gearless machine has an AC motor that only runs when the elevator is in use. It provides a smooth ride with minimal vibrations.

3. **Universal door operator**
   Faulty doors are the elevator industry’s most frequent service call. This new technology improves door reliability and provides quick and smooth door operation.

4. **Wiring package**
   Our cable and hoistway wiring system communicates with multiple devices using a single wire using advanced CAN-BUS technology. You’ll have improved elevator operations and simplified maintenance.

5. **Fusion fixtures**
   Our stainless steel fixture line includes car operating panels, hall fixtures and car riding lanterns that improve elevator appearance and functionality. Fixtures are also easy to install, do not damage the walls and are in full compliance with U.S. and Canadian fire service codes.

[| Gearless machine |
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Ask your TK Elevator representative about our Advantage Packages, designed to make the GL-Power modernization process as quick and convenient as possible for you and your tenants.
MOD Fusion fixtures:

A. Traditional push button with white illumination and black halo (blue or red available)
B. Bronze classic push button with illuminating halo
C. Vandal-resistant, flat, California-compliant push button in stainless steel with red illumination (available in bronze with white or blue)
D. Vandal-resistant, convex with illuminating blue halo (available in bronze with white or red)
E. Vandal-resistant, concave, California-compliant push button with illuminating jewel center (available in bronze with white or red)

Car operating panel
Push button options
Horizontal hall lantern (arrows)
Vertical hall lantern (arrows)
Hall position indicator
Intermediate hall station, fire service and appendix H / O signage
Combo hall lantern / position indicator